

Electrical documentation

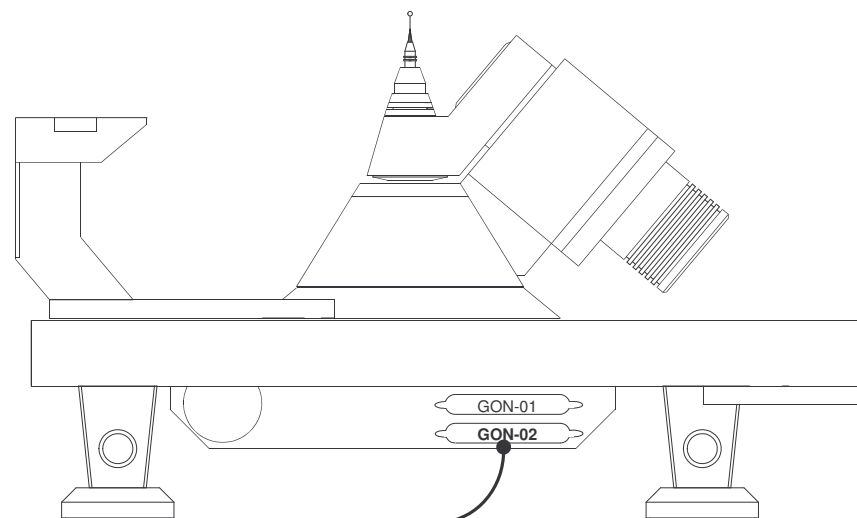
XCALIBUR PX ULTRA

Single Crystal Diffractometer

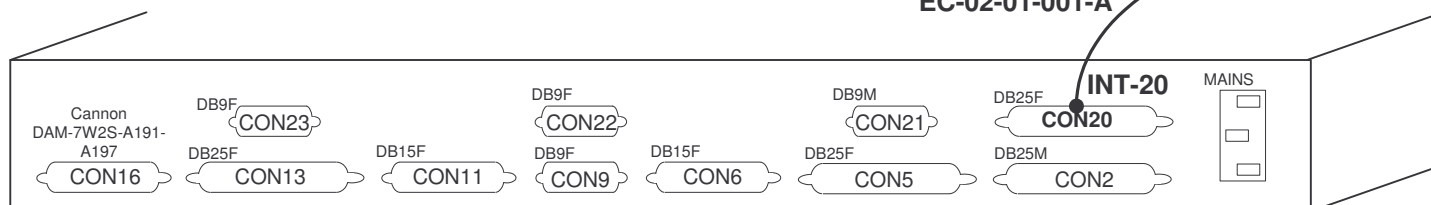


version 1.2
05.2005 Wrocław




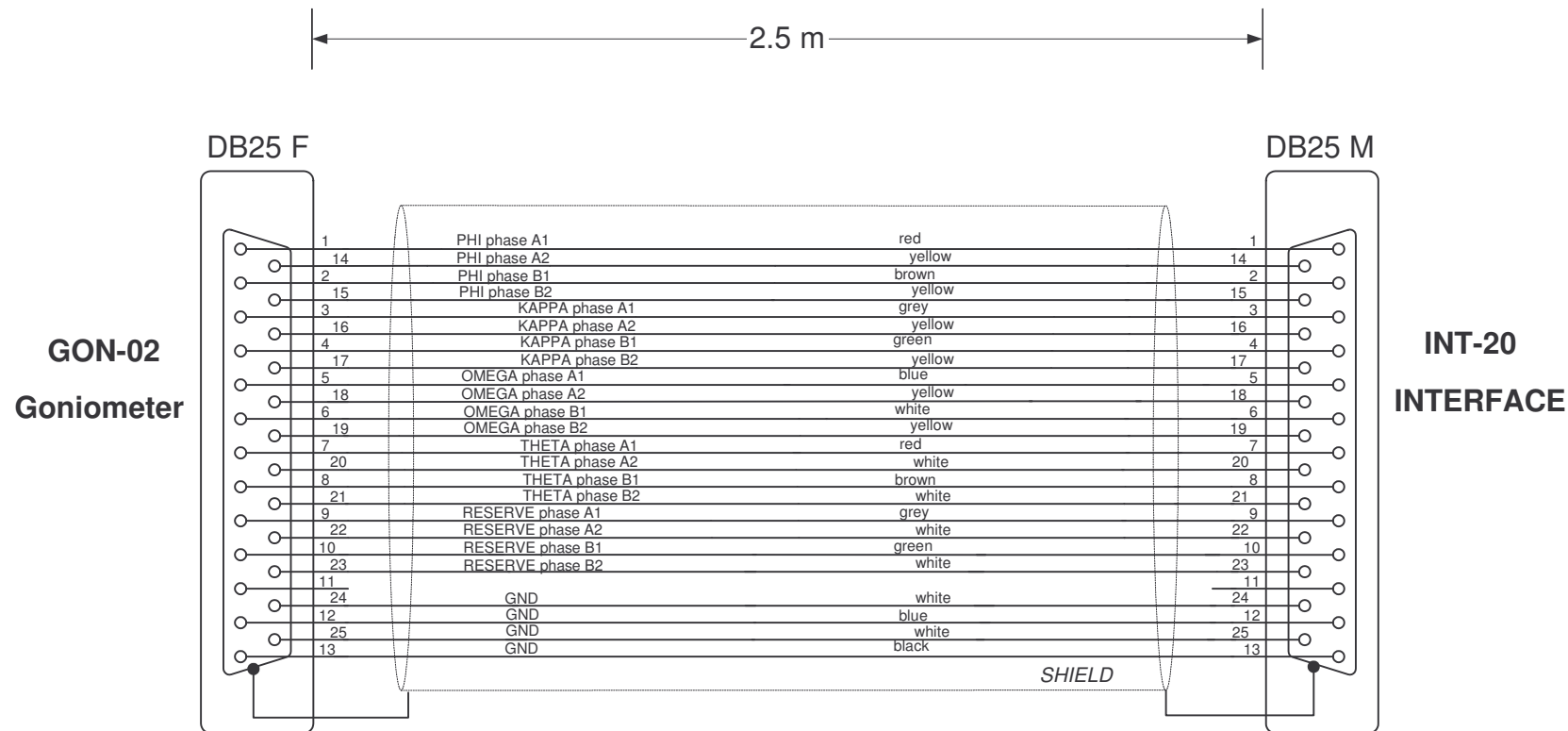



EC-02-01-001-A

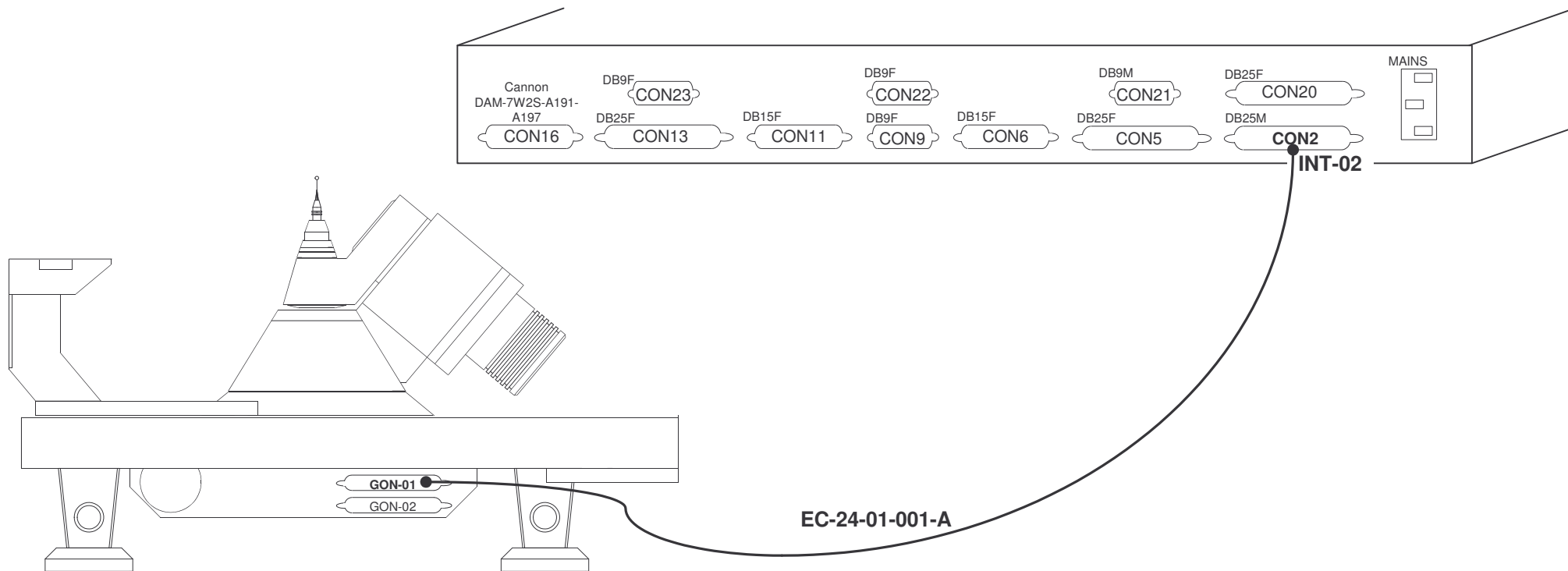


PNS code: EC-02-01-001-A		Length: 2.5m	Drg no.: EC-02-01-001-A
Description: Stepping motor supply			
Cable: 2 x 12 x 0.25 mm2 shielded		Connector 1: INT-20	Connector 2: GON-02
		PNS code: EA-06-00-005-A	PNS code: EA-06-00-006-A
PNS code: EA-05-00-014-A		Type: DB25 male	Type: DB25 female
Type: LiYCY2x12x0.25 shielded		Location: Interface – rear panel	Location: Goniometer


					<div><div>oxford diffraction</div><div>DRG NO.</div><div>EC-02-01-001-A</div><div>DRAWN BY: R. S.</div><div>APPROVED BY:</div></div>	<div>TITLE:</div> <div>Xcalibur \ Gemini</div> <div>Stepping motors cable</div> <div><div>FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div><div>REV. D</div></div> <div><div>DATE: 06/07/2001</div><div>SHEET 1 of 2</div></div>		
A. No.	B	C	D					
Appr								
Date	12/2002	05/2004	04/2005					

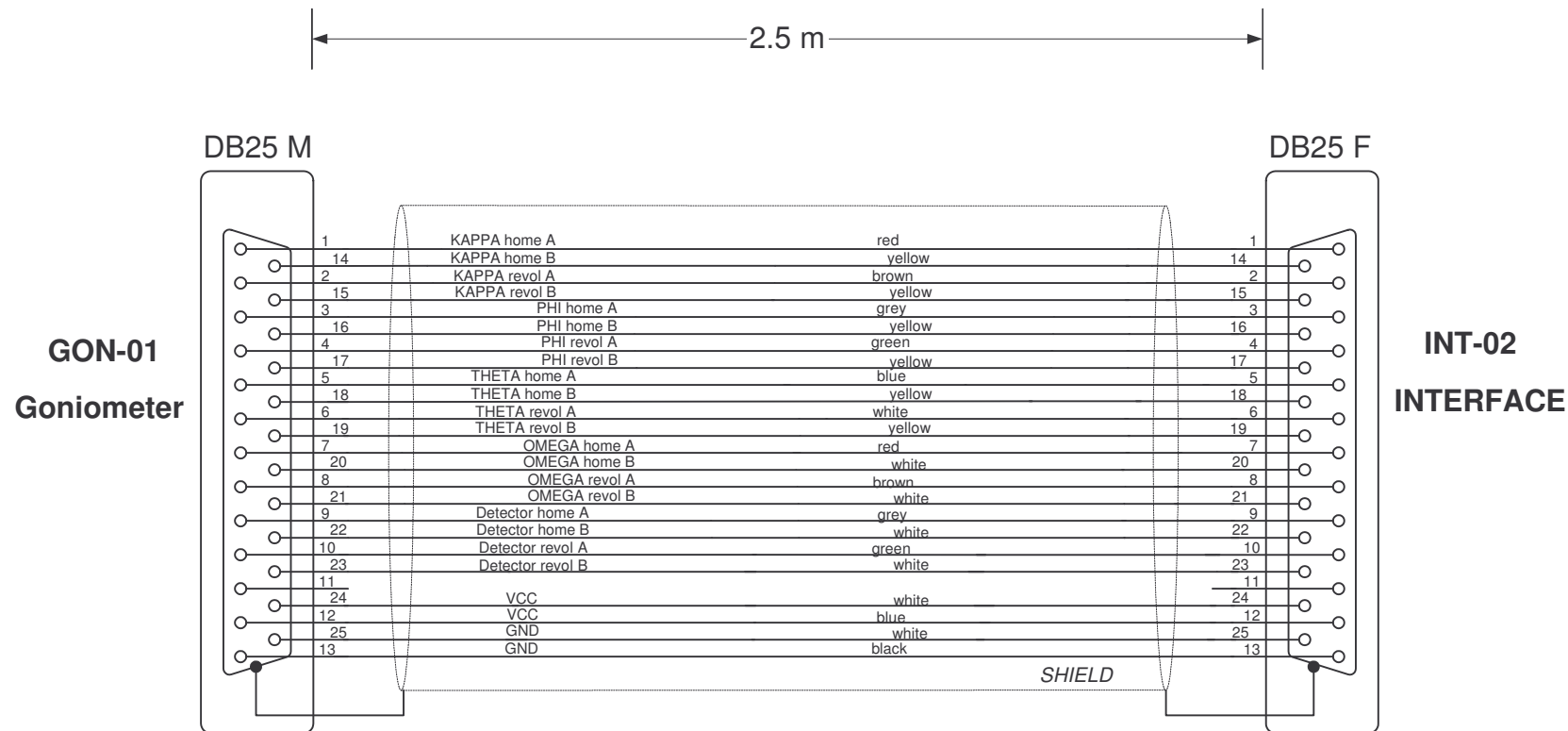



					 oxford diffraction DRG NO. EC-02-01-001-A	TITLE: Xcalibur \ Gemini Stepping motors cable		
A. No.	C	D				FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. D	
Appr					DRAWN BY: R. S.			
Date	12/2002	04/2005			APPROVED BY:	DATE: 04/07/2001	SHEET	2 of 2

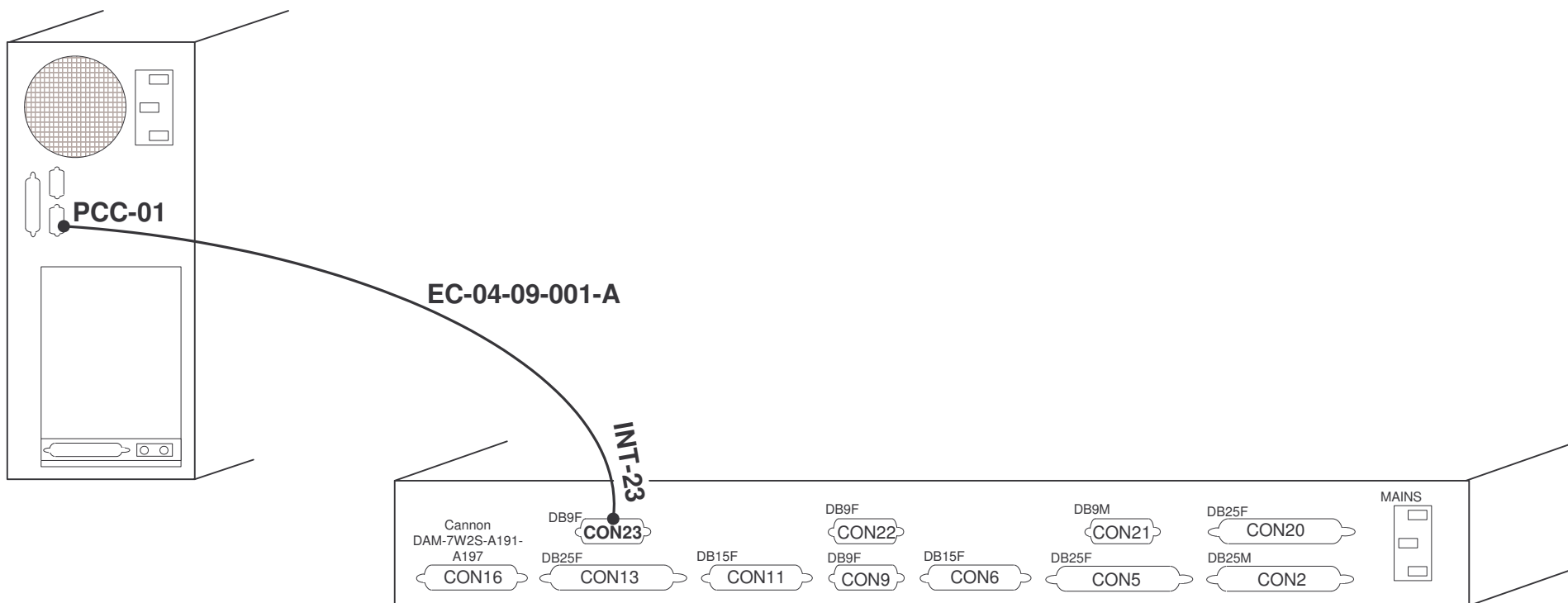


PNS code: EC-24-01-001-A		Length: 2.5m	Drg no.: EC-24-01-001-A
Description: Encoders communication			
Cable: 2 x 12 x 0.25 shielded	Connector 1: INT-02		Connector 2: GON-01
	PNS code: EA-06-00-006-A		PNS code: EA-06-00-005-A
PNS code: EA-05-00-014-A	Type: DB25 female		Type: DB25 male
Type: LiYCY2x12x0.25 shielded	Location: Interface – rear panel		Location: Goniometer


					<div> oxford diffraction</div> <div>DRG NO.</div> <div>EC-24-01-001-A</div> <div>DRAWN BY: R. S.</div> <div>APPROVED BY:</div>	<div>TITLE:</div> <div>Xcalibur / Gemini Encoders cable</div> <div>FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div> <div>REV. D</div> <div>DATE: 06/07/2001</div> <div>SHEET 1 of 2</div>		
A. No.	B	C	D					
Appr								
Date	Dec. 2002	05/2004	04/2005					

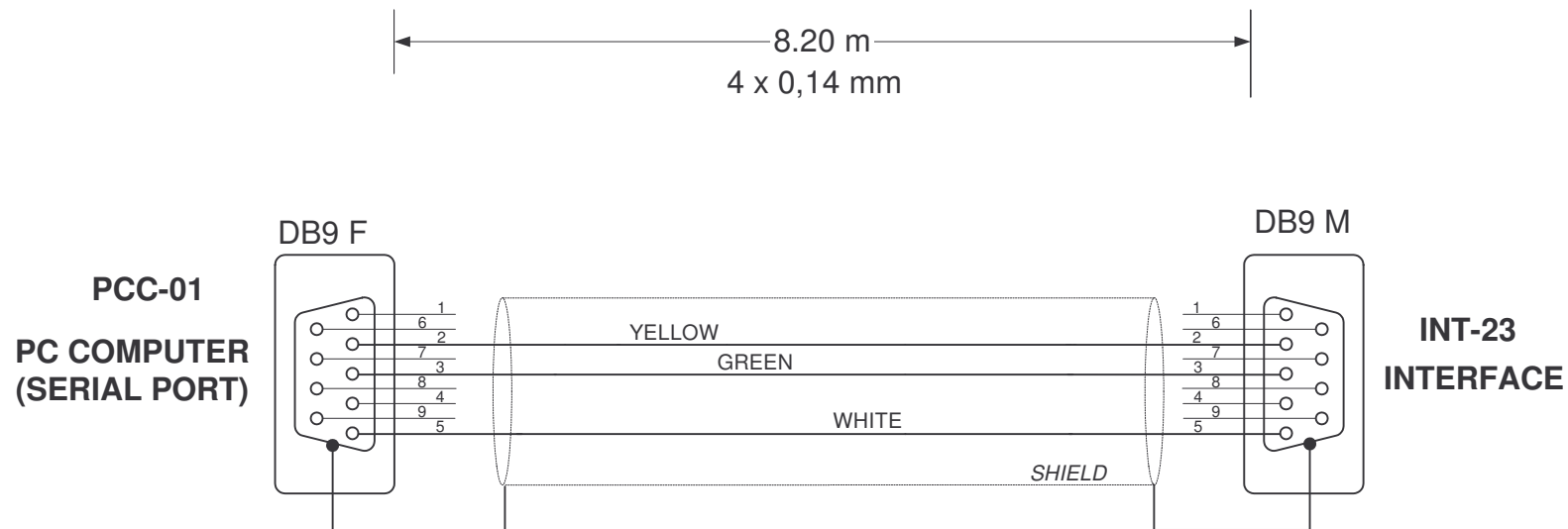



					 oxford diffraction DRG NO. EC-24-01-001-A	TITLE: Xcalibur / Gemini Encoders cable	
A. No.	C	D				FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. D
Appr					DRAWN BY: R. S.		
Date	Dec. 2002	04/2005			APPROVED BY:	DATE: 04/07/2001	SHEET 2 of 2

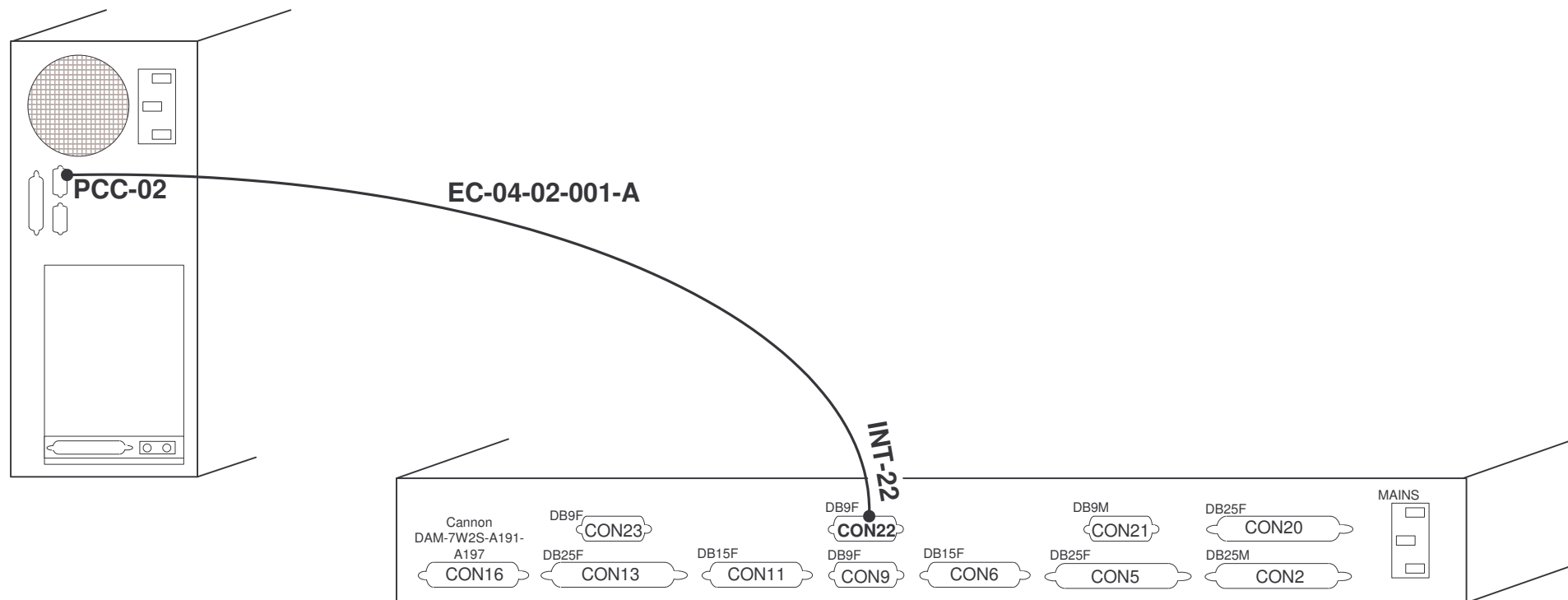


PNS code: EC-04-09-001-A		Length: 8,20m	Drg no.: EC-04-09-001-A
Description: Interface communication			
Cable: 4 x 0.14mm2 shielded		Connector 1: INT-23	Connector 2: PCC-01
		PNS code: EA-06-00-001-A	PNS code: EA-06-00-002-A
PNS code: EA-05-00-002-A		Type: DB9 male	Type: DB9 female
Type: LiYCY4 x 0.14 w ekranie		Location: Interface – rear panel	Location: PC (serial port)


					<div> oxford diffraction</div>	<div>TITLE: Xcalibur / Gemini</div> <div>Interface RS232 cable</div>		
					<div>DRG NO.</div> <div>EC-04-09-001-A</div>			
<div>A. No.</div>	<div>B</div>	<div>C</div>			<div>DRAWN BY: R. S.</div>	<div>FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div>		<div>REV. C</div>
<div>Appr</div>					<div>APPROVED BY:</div>	<div>DATE: 04/07/2001</div>		<div>SHEET 1 of 2</div>
<div>Date</div>	<div>Dec. 2002</div>	<div>04/2005</div>						

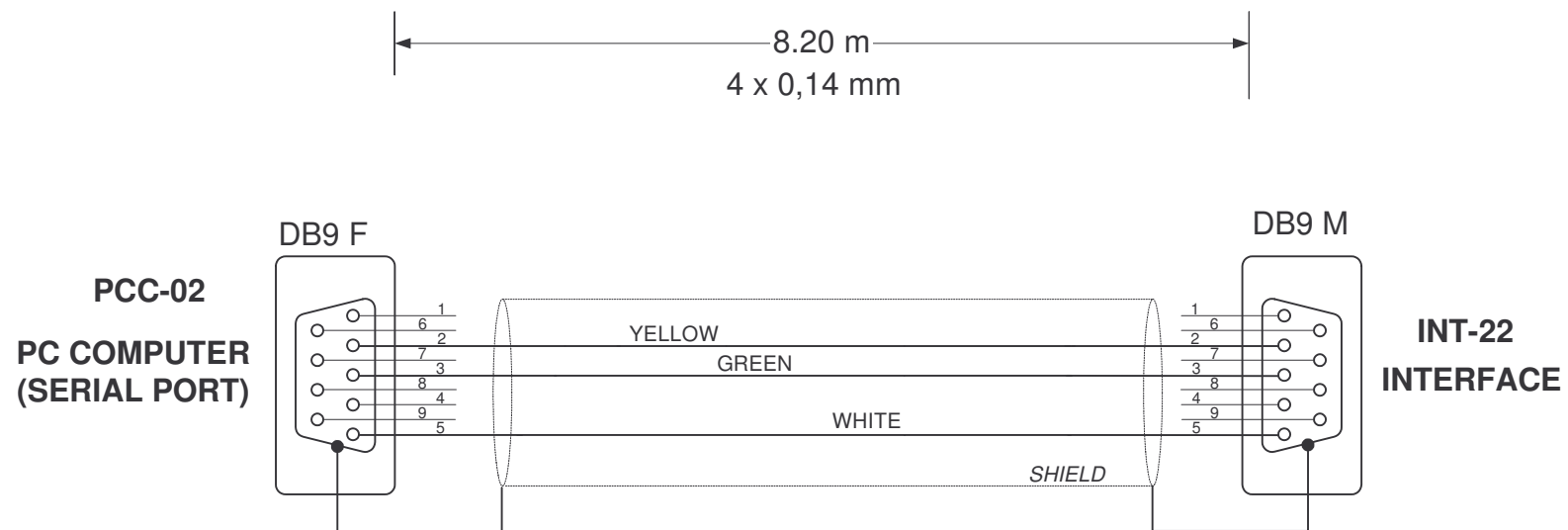


					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE: Xcalibur / Gemini</div>		
					<div>DRG NO.</div> <div>EC-04-09-001-A</div>	<div>Interface RS232 cable</div>		
A. No.	B	C				<div>FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div>		<div>REV. C</div>
Appr					<div>DRAWN BY: R. S.</div>			
Date	Dec. 2002	04/2005			<div>APPROVED BY:</div>	<div>DATE: 04/07/2001</div>	<div>SHEET</div>	<div>2 of 2</div>

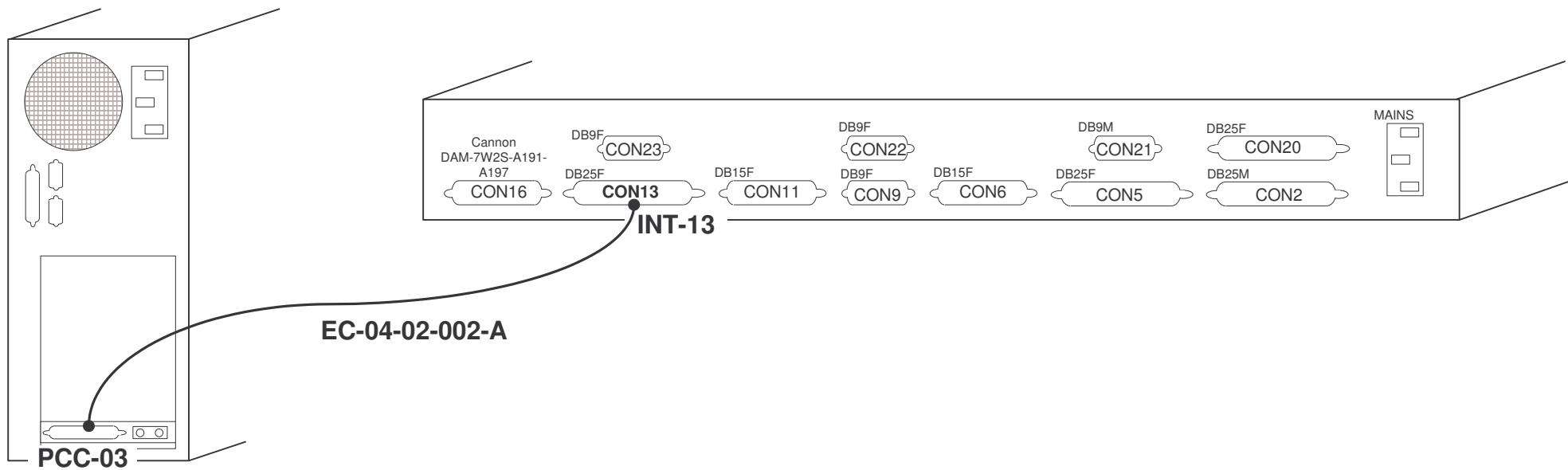


PNS code: EC-04-02-001-A		Length: 8.20m	Drg no.: EC-04-02-001-A
Description: CCD power supply communication			
Cable: 4 x 0.14mm2 shielded	Connector 1: INT-22		Connector 2: PCC-02
	PNS code: EA-06-00-001-A		PNS code: EA-06-00-002-A
PNS code: EA-05-00-002-A	Type: DB9 male		Type: DB9 female
Type: LiYCY4 x 0.14 shielded	Location: Interface – rear panel		Location: PC (serial port)


					 oxford diffraction DRG NO. EC-04-02-001-A	TITLE: Xcalibur / Gemini CCD power supply to PC (RS232)		
A. No.	B	C						
Appr					DRAWN BY: R. S.	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\		REV. C
Date	Dec. 2002	04/2005			APPROVED BY:	DATE: 06/07/2001	SHEET 1 of 2	

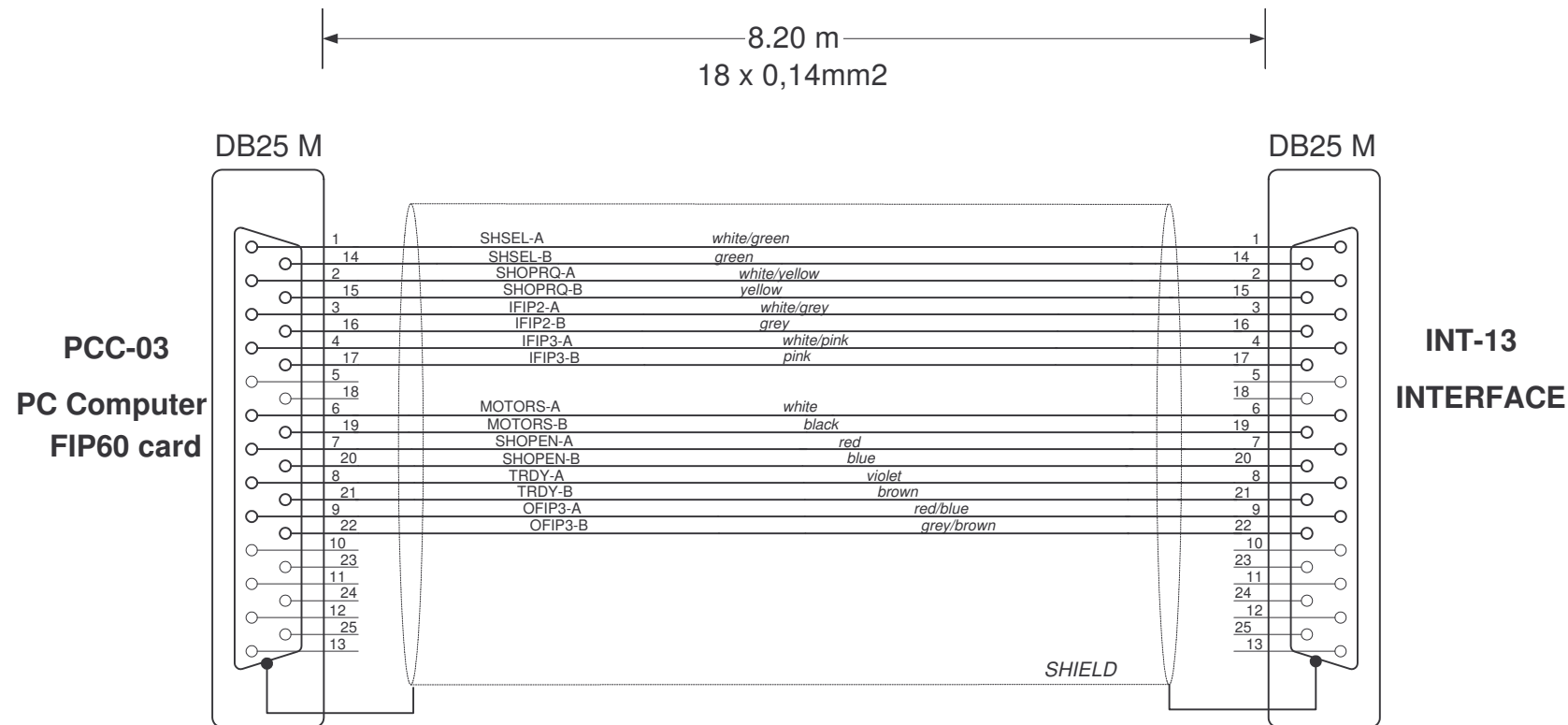



<div> <div> oxford diffraction </div> <div> DRG NO. EC-04-02-001-A </div> <div> DRAWN BY: R. S. </div> <div> APPROVED BY: </div> </div>					TITLE: Xcalibur / Gemini CCD power supply to PC (RS232)		
A. No.	B	C			FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C	
Appr Date	Dec. 2002	04/2005			DATE: 04/07/2001	SHEET 2 of 2	

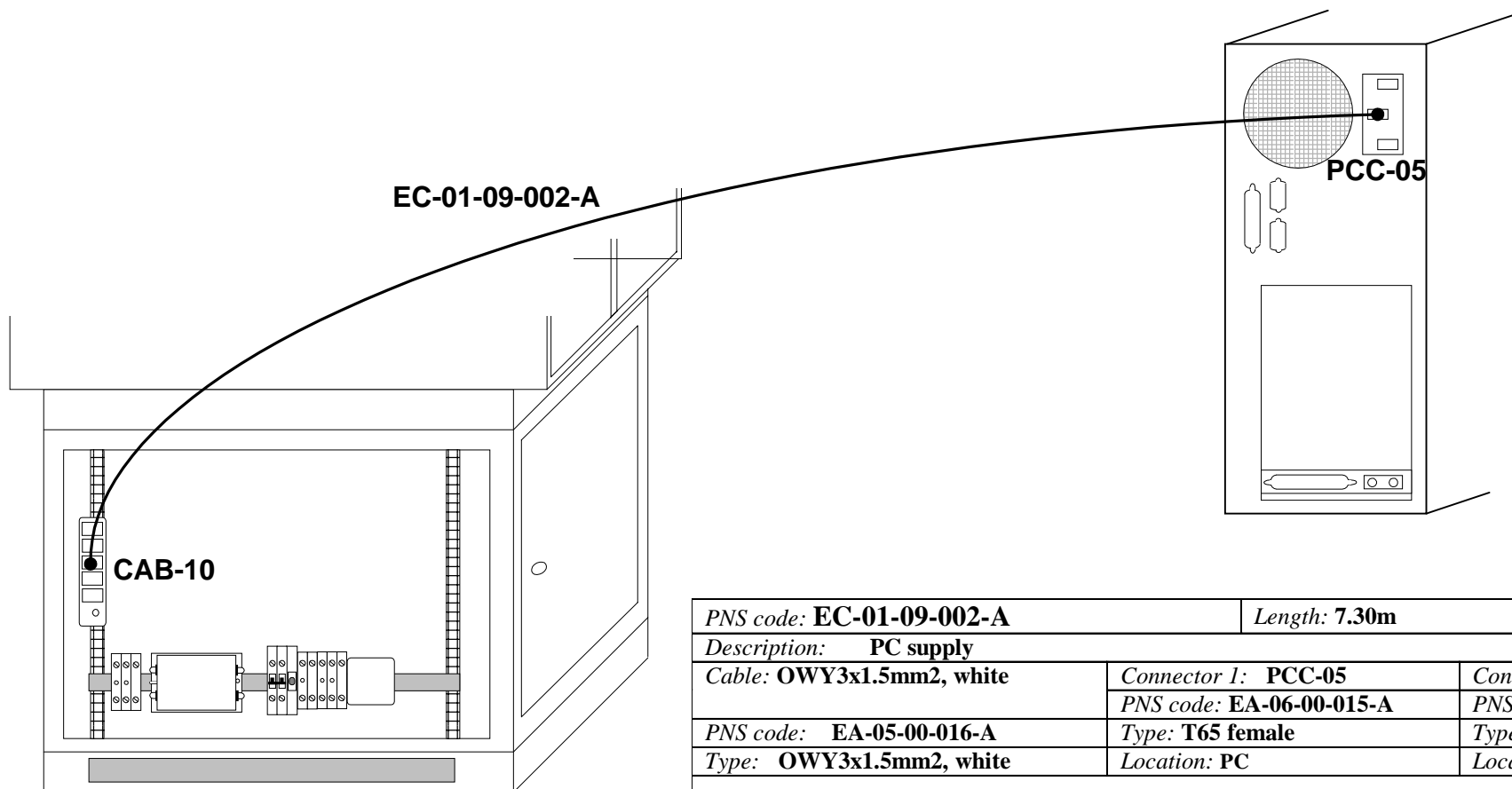


PNS code: EC-04-02-002-A		Length: 8.20m	Drg no.: EC-04-02-002-A
Description: FIP60 communication			
Cable: 18 x 0.14mm² shielded	Connector 1: INT-13		Connector 2: PCC-03
	PNS code: EA-06-00-005-A		PNS code: EA-06-00-005-A
PNS code: EA-05-00-013-A	Type: DB25 male		Type: DB25 male
Type: LiYCY18 x 0.14 shielded	Location: Interface – rear panel		Location: PC (FIP60)


					 oxford diffraction DRG NO. EC-04-02-002-A	TITLE: Xcalibur / Gemini FIP60 to Interface cable		
A. No.	B	C				FILE:	\\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C
Appr						DRAWN BY: R. S.		
Date	Dec. 2002	04/2005				APPROVED BY:		DATE: 06/07/2001
							SHEET 1 of 2	

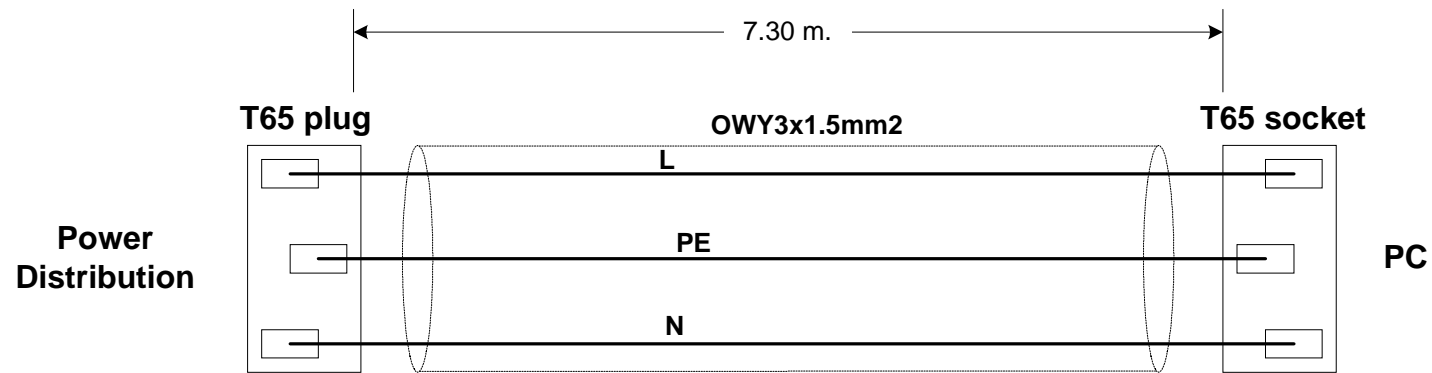



					 oxford diffraction DRG NO. EC-04-02-002-A	TITLE: Xcalibur / Gemini FIP60 to Interface cable	
A. No.	B	C				FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C
Appr					DRAWN BY: R. S.		
Date	Dec. 2002	04/2005			APPROVED BY:	DATE: 04/07/2001	SHEET 2 of 2

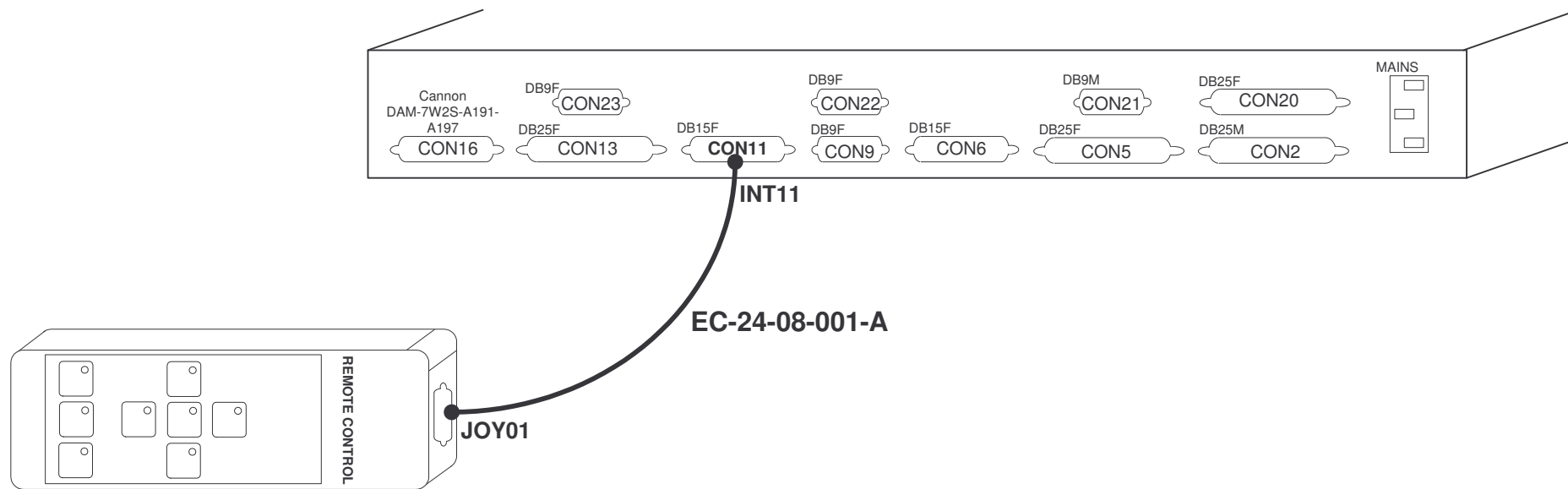


PNS code: EC-01-09-002-A		Length: 7.30m	Drg no.: EC-01-09-002-A
Description: PC supply			
Cable: OWY3x1.5mm2, white	Connector 1: PCC-05		Connector 2: CAB-10
	PNS code: EA-06-00-015-A		PNS code: EA-06-00-014-A
PNS code: EA-05-00-016-A	Type: T65 female		Type: T65 male
Type: OWY3x1.5mm2, white	Location: PC		Location: IEC plug inlet


							TITLE: PC	
					DRG NO. EC-01-09-002-A		230VAC Supply cable	
					DRAWN BY: R. S.		FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. B
A. No.	B				APPROVED BY:		DATE: 03/01/2002	SHEET 1 of 2
Appr								
Date	Dec. 2002							

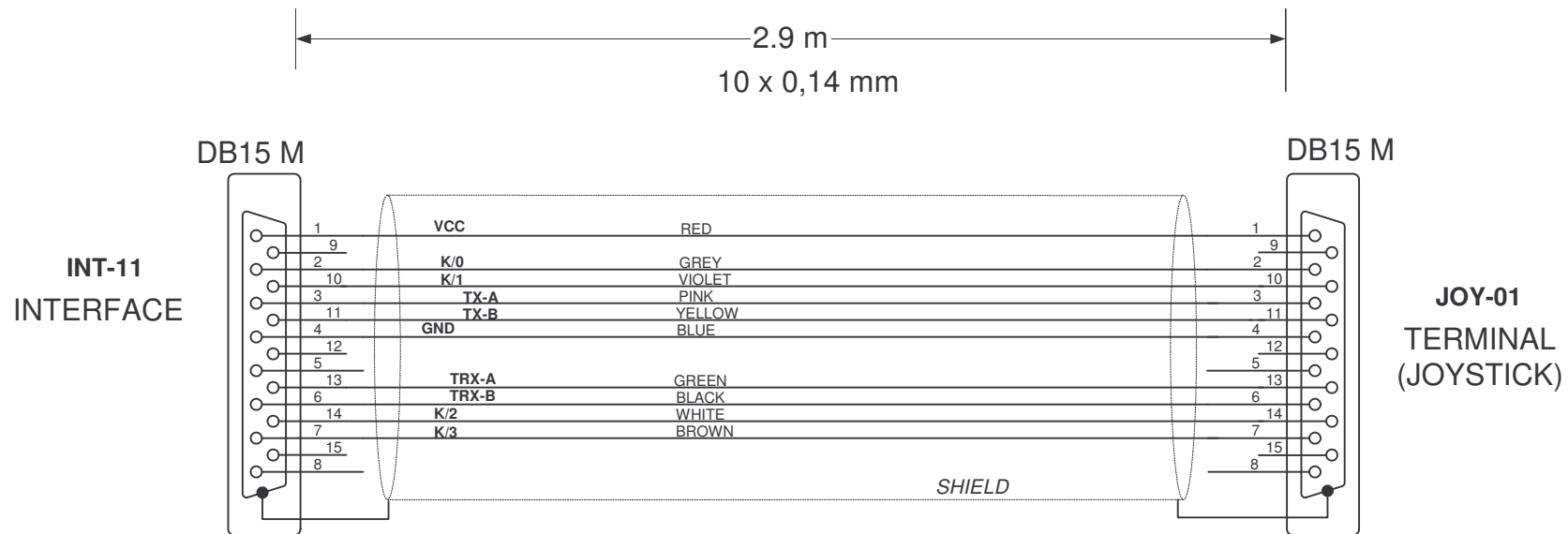



					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE:</div> <div>PC</div>		
					<div>DRG NO.</div> <div>EC-01-09-002-A</div>	<div>230VAC Supply cable</div>		
A. No.	B				<div>DRAWN BY:</div> <div>R. S.</div>	<div>FILE:</div> <div>\\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div>		<div>REV.</div> <div>B</div>
Appr					<div>APPROVED BY:</div>	<div>DATE:</div> <div>03/01/2001</div>		<div>SHEET</div> <div>2 of 2</div>
Date	Dec. 2002							



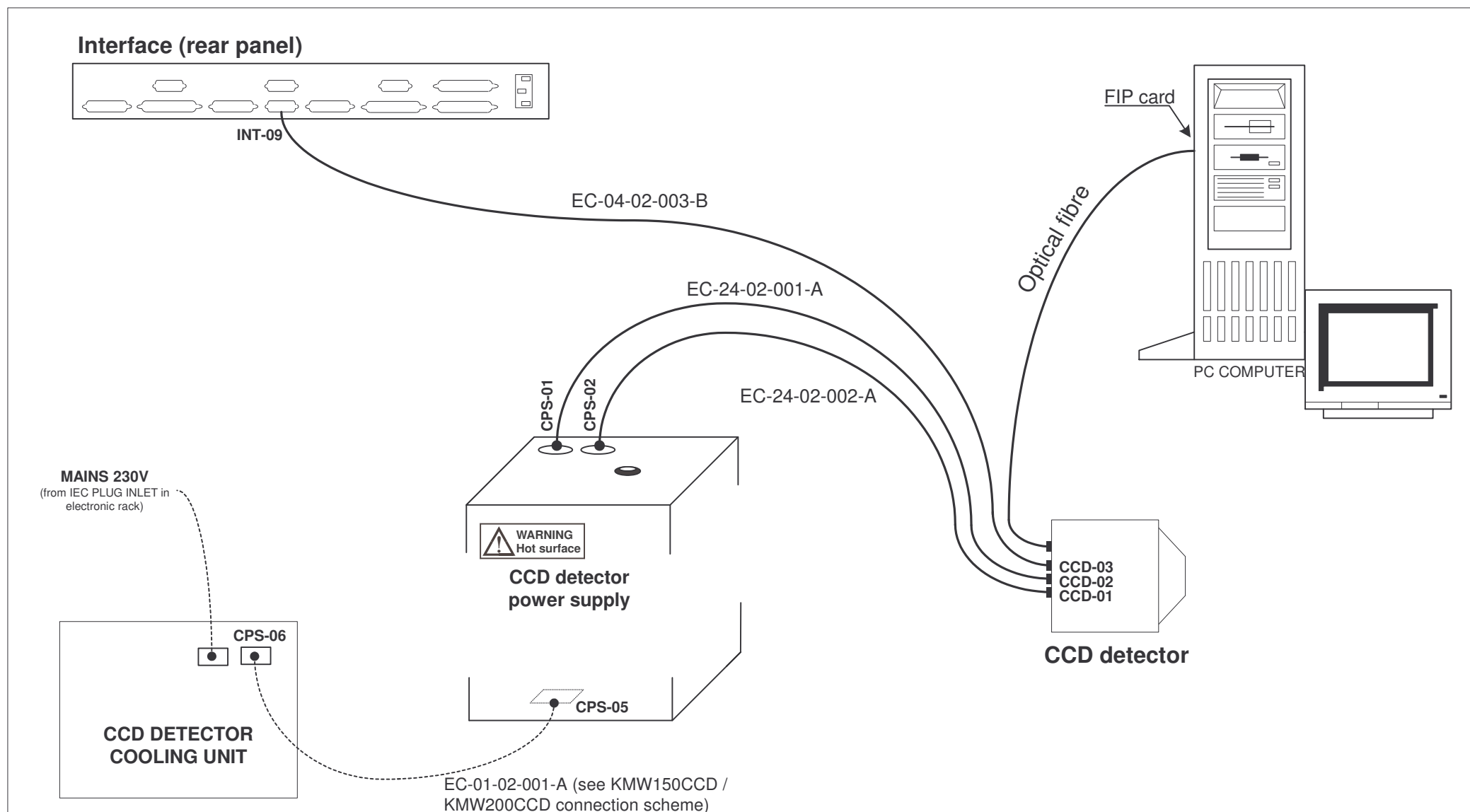
PNS code: EC-24-08-001-A		Length: 2.9m	Drg no.: EC-24-08-001-A
Description:			
Cable: 10 x 0.14 mm2 shielded		Connector 1: INT-11	Connector 2: JOY-01
		PNS code: EA-06-00-003-A	PNS code: EA-06-00-003-A
PNS code: EA-05-00-004-A		Type: DB15 male	Type: DB15 male
Type: LiYCY10x0.14 shielded		Location: Interface – rear panel	Location: Terminal


					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE: Xcalibur / Gemini</div> <div>Remote control cable</div>		
					DRG NO. EC-24-08-001-A			
A. No.	B	C			DRAWN BY: R. S.			
Appr					APPROVED BY:	DATE: 09/07/2001	SHEET 1 of 2	
Date	05/2004	04/2005						

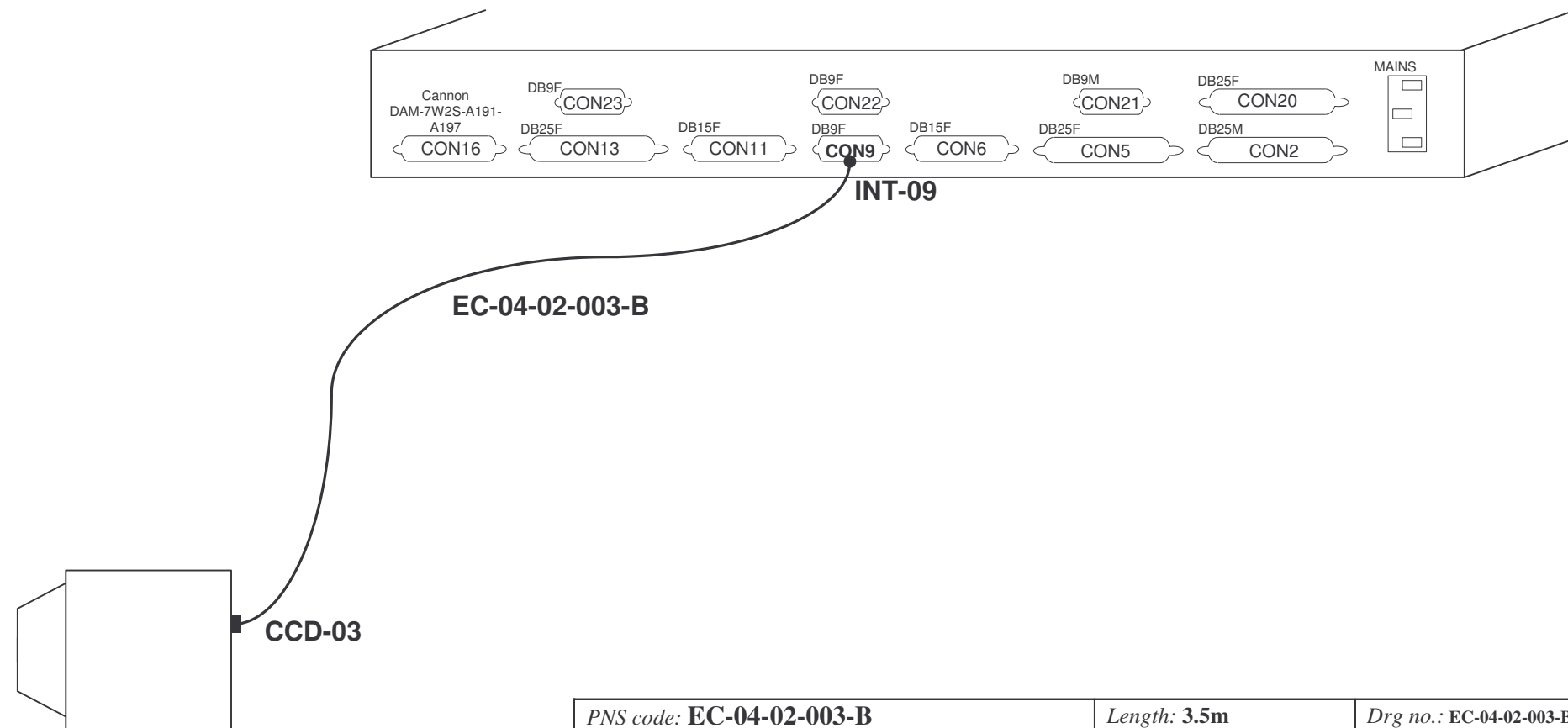


 oxford diffraction DRG NO.	TITLE: Xcalibur / Gemini		
	Remote control cable		
FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C		
DATE: 09/07/2001	SHEET 2 of 2		

A. No.	B	C		
Appr				
Date	05/2004	04/2005		




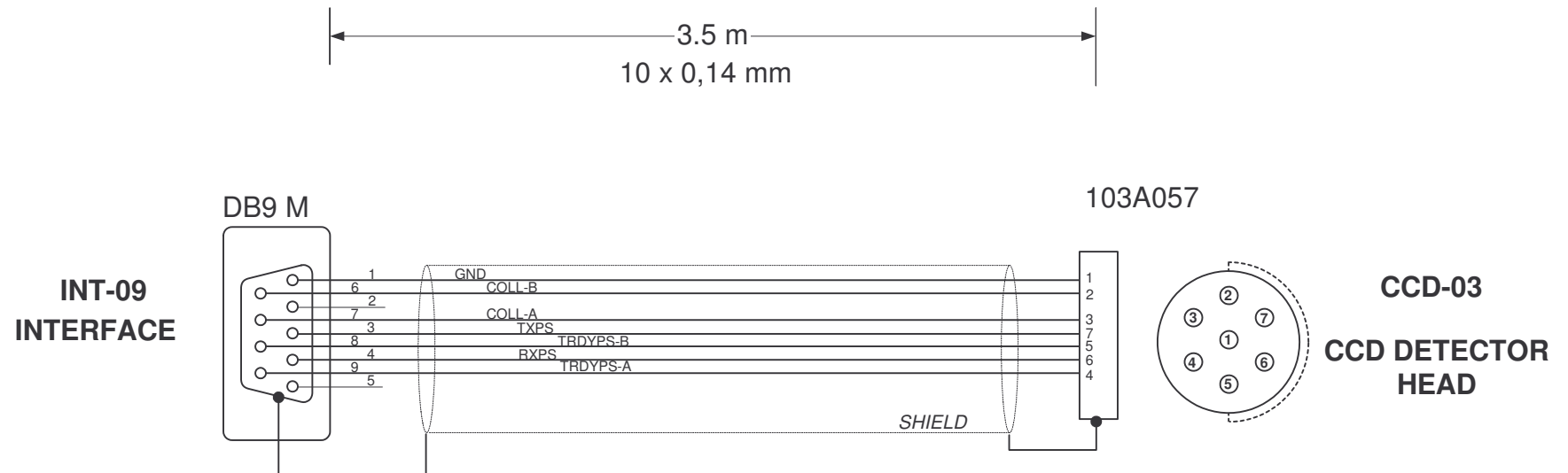
					 oxford diffraction DRG NO. OD-1-04-01	TITLE: Xcalibur / Gemini CCD detector connections		
A. No.	B	C				FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C	
Appr					DRAWN BY: R. S.			
Date	06/2003	04/2005			APPROVED BY:	DATE: 04/07/2001	SHEET 1 of 1	




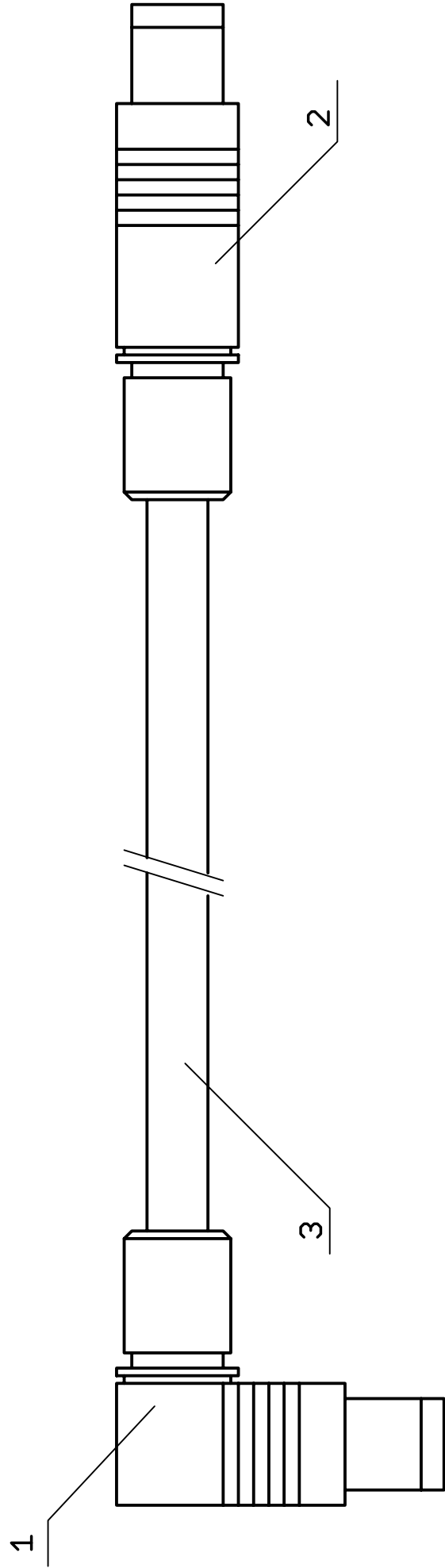
CCD DETECTOR HEAD

<i>PNS code:</i> EC-04-02-003-B		<i>Length:</i> 3.5m	<i>Drg no.:</i> EC-04-02-003-B
<i>Description:</i> Temperature and collision			
<i>Cable:</i> 10 x 0.14mm2 shielded	<i>Connector 1:</i> INT-09		<i>Connector 2:</i> CCD-03
	<i>PNS code:</i> EA-06-00-001-A		<i>PNS code:</i> EA-06-00-037-A
<i>PNS code:</i> EA-05-00-004-A	<i>Type:</i> DB9 male		<i>Type:</i> 103A057
<i>Type:</i> LiYCY10 x 0.14 shielded	<i>Location:</i> Interface – rear panel		<i>Location:</i> CCD detector head

					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE: CCD detector - temperature and collision</div>		
					<div>DRG NO. EC-04-02-003-B</div>			
A. No.	C				<div>DRAWN BY: R. S.</div>	<div>FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div>		<div>REV. C</div>
Appr					<div>APPROVED BY:</div>	<div>DATE: 06/2003</div>		<div>SHEET 1 of 2</div>
Date	06/2005							



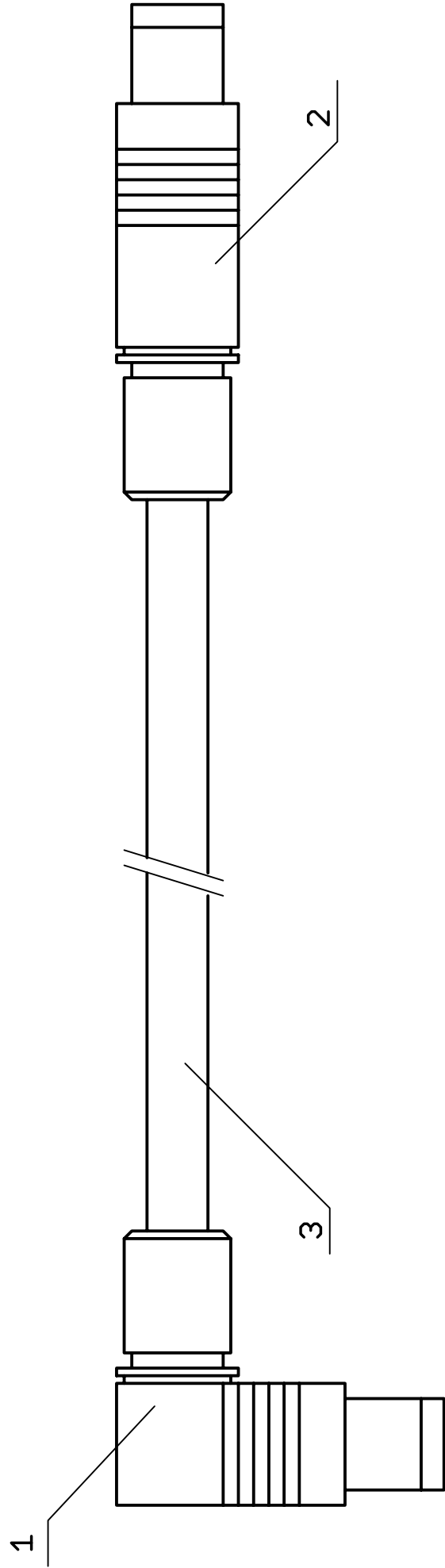
					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE:</div> <div>CCD detector - temperature and collision</div>		
					<div>DRG NO.</div> <div>EC-04-02-003-B</div>			
A. No.	C				<div>DRAWN BY:</div> <div>R. S.</div>	<div>FILE:</div> <div>\\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\</div>		<div>REV.</div> <div>C</div>
Appr					<div>APPROVED BY:</div>	<div>DATE:</div> <div>06/2003</div>		<div>SHEET</div> <div>2 of 2</div>
Date	06/2005							



Pin	Signal name	Colour
1	system supply +	yellow
2	system supply -	green
3	analog output	brown
4	analog return	white
5	power enable	magenta
6	ground	grey

3	Cable 6x0.5mm shielded	2 m	
2	Connector S104A065-130	1	W.W.Fisher
1	Connector WS104Z065-130	1	W.W.Fisher
Item	Name	Qty	Drawing no.

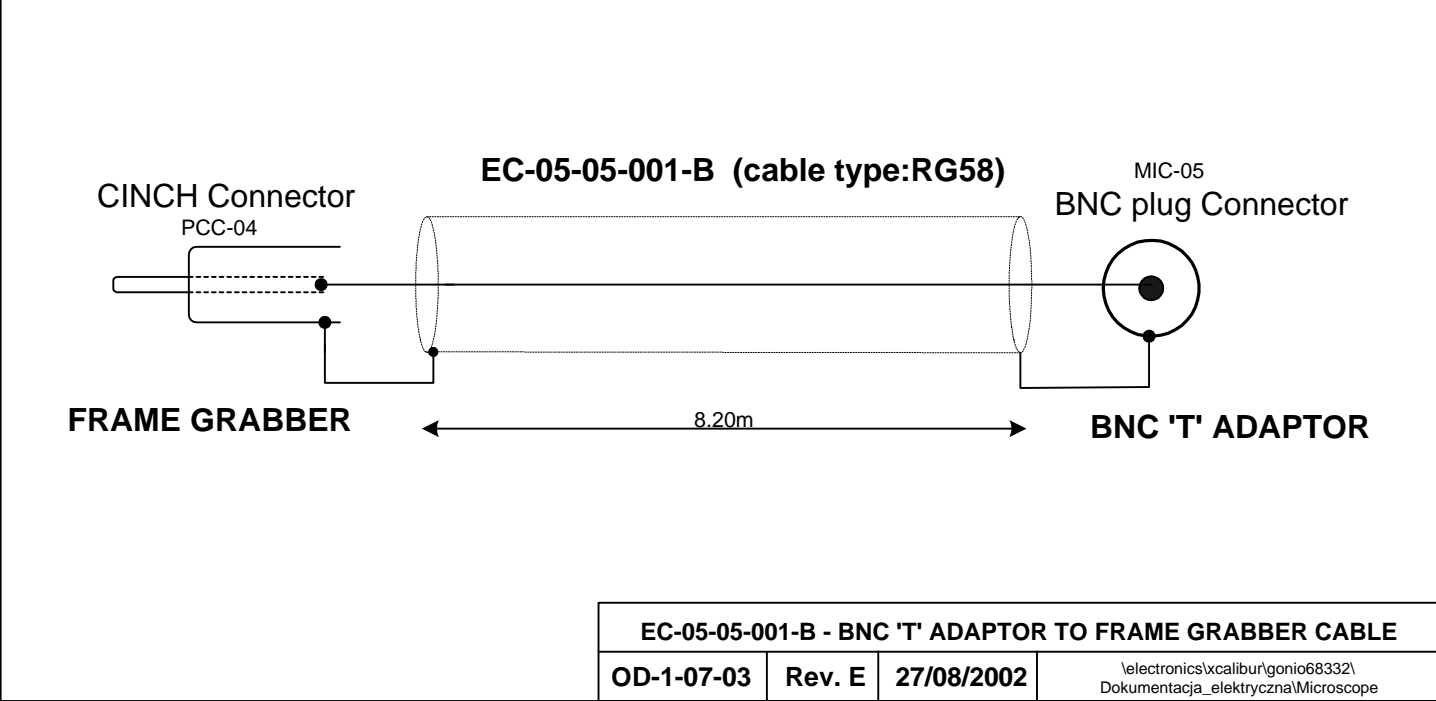
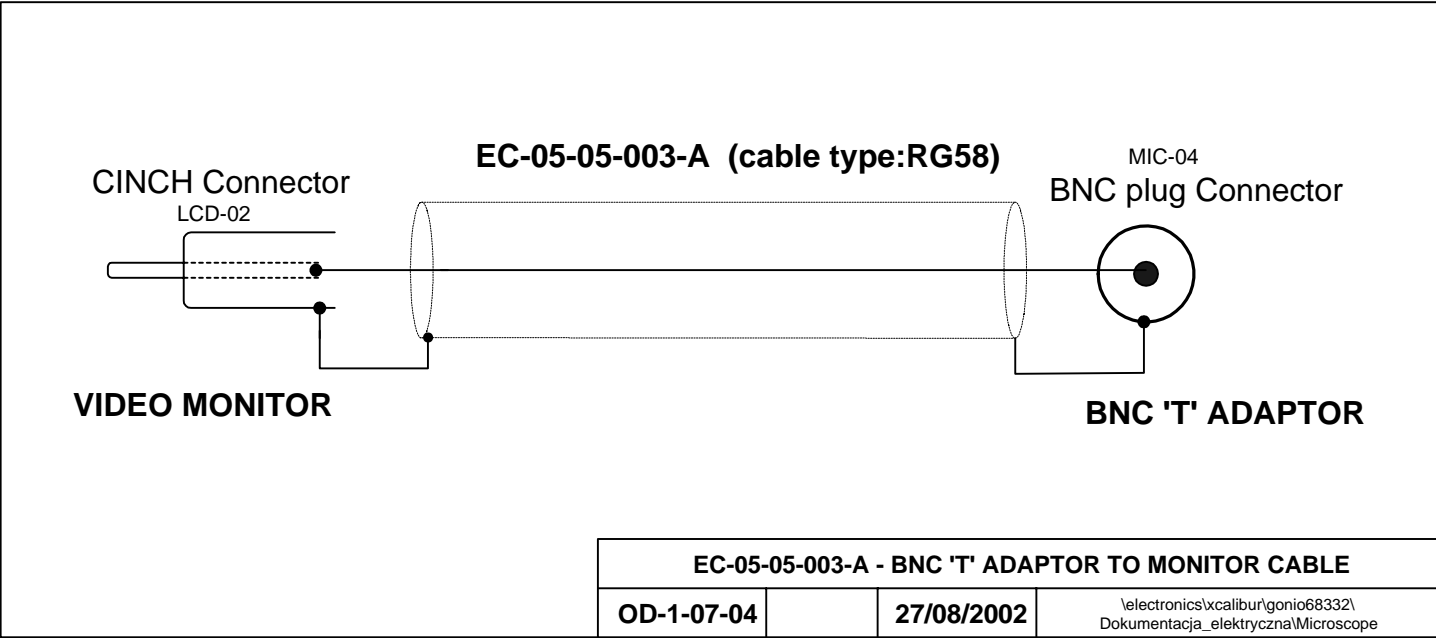
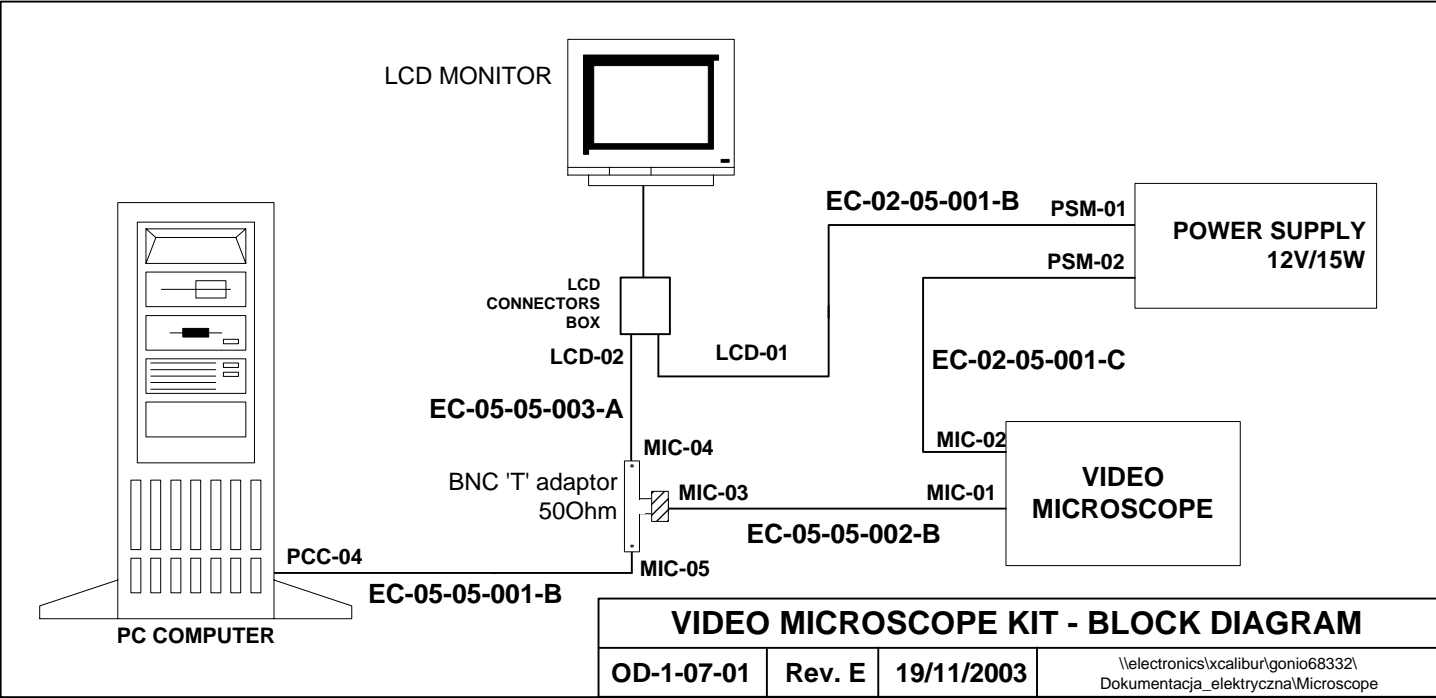
Detector head supply cable		ELFIN PL-Wrocław	
TITLE: Bck_005-1			
Document Number:		BCK 005-1	REV: A
Date: 2004-07-24	14:40:02	Sheet: 1/1	

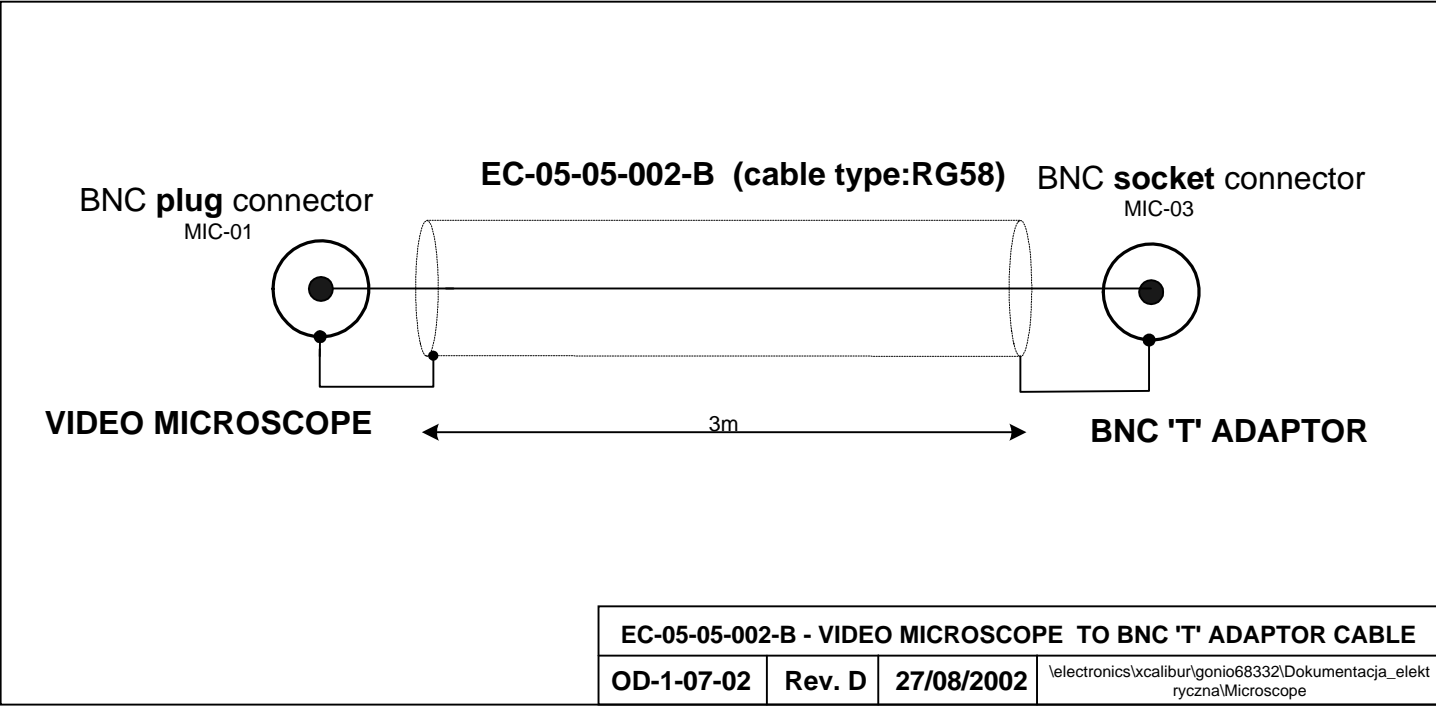


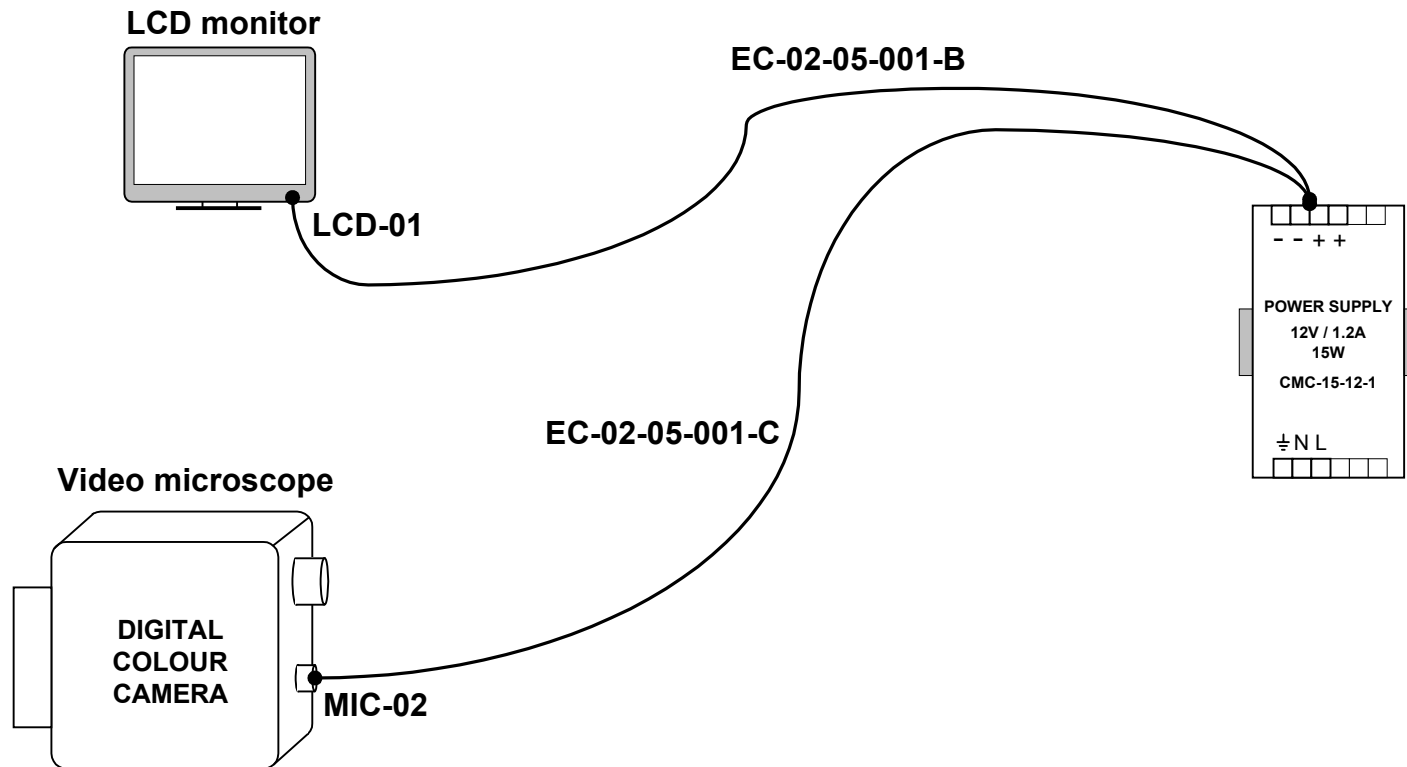
Pin	Signal name	Colour
1	main cooler supply +	yellow green
2	main cooler supply -	white magenta
3	auxiliary cooler supply +	brown
4	auxiliary cooler supply -	grey

3	Cable 6x0.5mm shielded	2 m	
2	Connector S104A087-130	1	W.W.Fisher
1	Connector WS104Z087-130	1	W.W.Fisher
Item	Name	Qty	Drawing no.


Detector head cooler cable		ELFIN PL-Wrocław	
TITLE: Bck_006-1			
Document Number:		BCK 006-1	REV: A
Date: 2004-07-24 14:43:44		Sheet: 1/1	

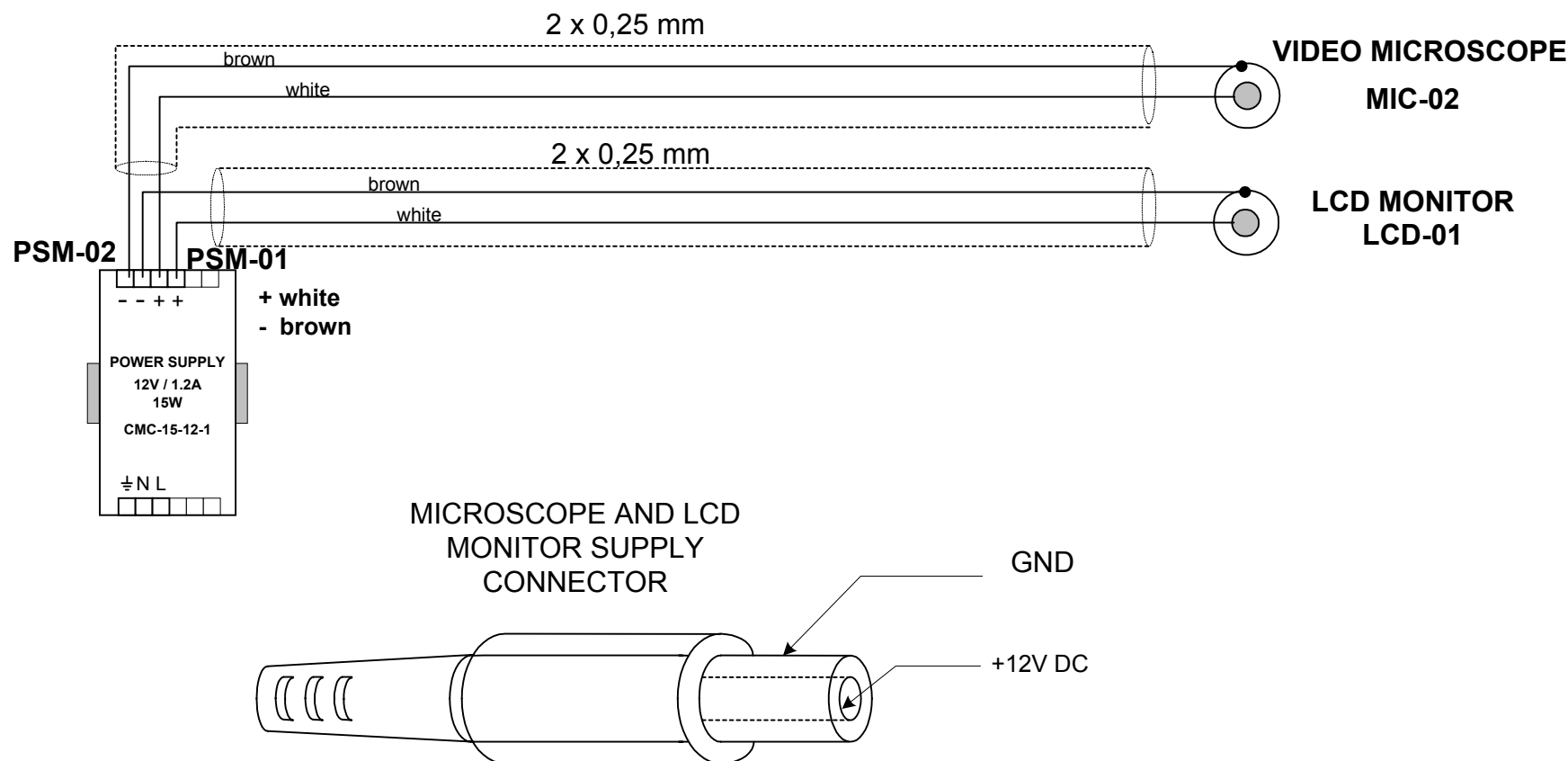






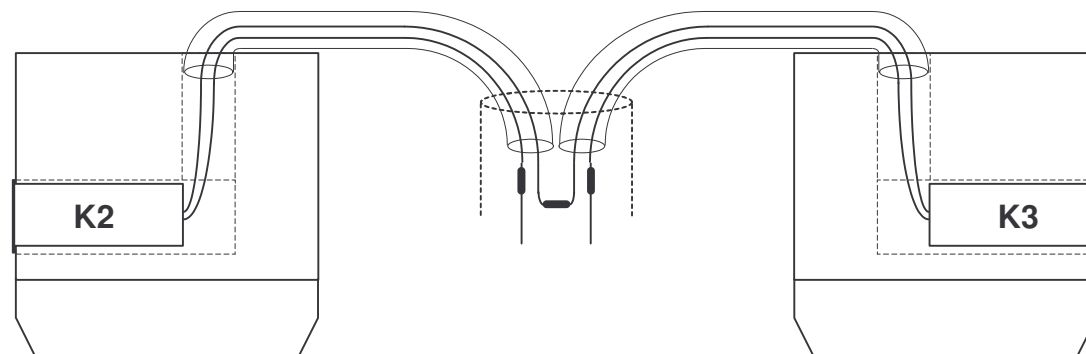
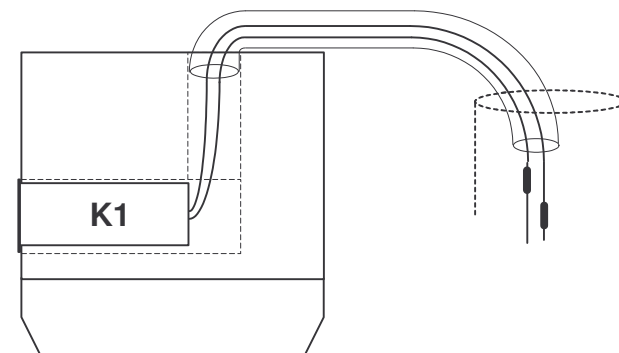
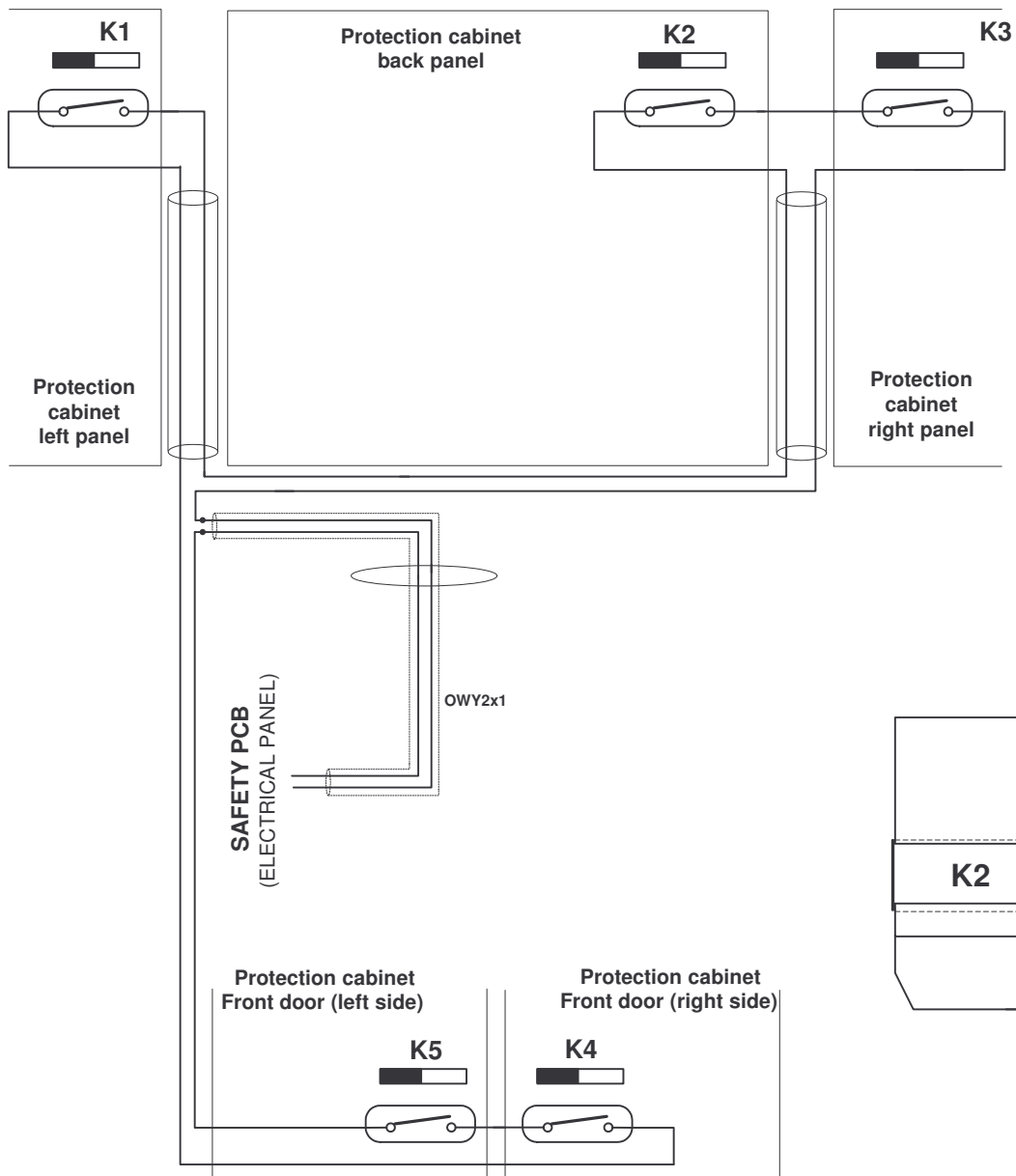
PNS code: EC-02-05-001-B, EC-02-05-001-C		Length: 2x1.2m	Drg no.: EC-02-05-001-B
Description: LCD monitor and video microscope supply			
Cable: 2 x 0.35mm2 shielded	Connector 1: PSM-01, PSM-02	Connector 2: MIC-02	Connector 3: LCD-01
	PNS code:	PNS code: EA-06-00-018-A	PNS code: EA-06-00-018-A
PNS code: EA-05-00-015-A	Type: screw connector	Type: T252	Type: T252
Type: LiYCY2x0.35mm2	Location: power supply	Location: Video microscope	Location: LCD monitor


					<div><div></div><div>oxford diffraction</div></div>	<div>TITLE:</div> <div>LCD monior and video microscope power supply cable</div>		
					<div>DRG NO.</div> <div>EC-02-05-001-B</div>			
A. No.					<div>DRAWN BY:</div> <div>R. S.</div>	<div>FILE:</div> <div>\\KUMA\workgroups\electronics\gonio68332\cables</div>		<div>REV.</div> <div>A</div>
Appr					<div>APPROVED BY:</div>	<div>DATE:</div> <div>06/2003</div>		<div>SHEET</div> <div>1 of 2</div>
Date								

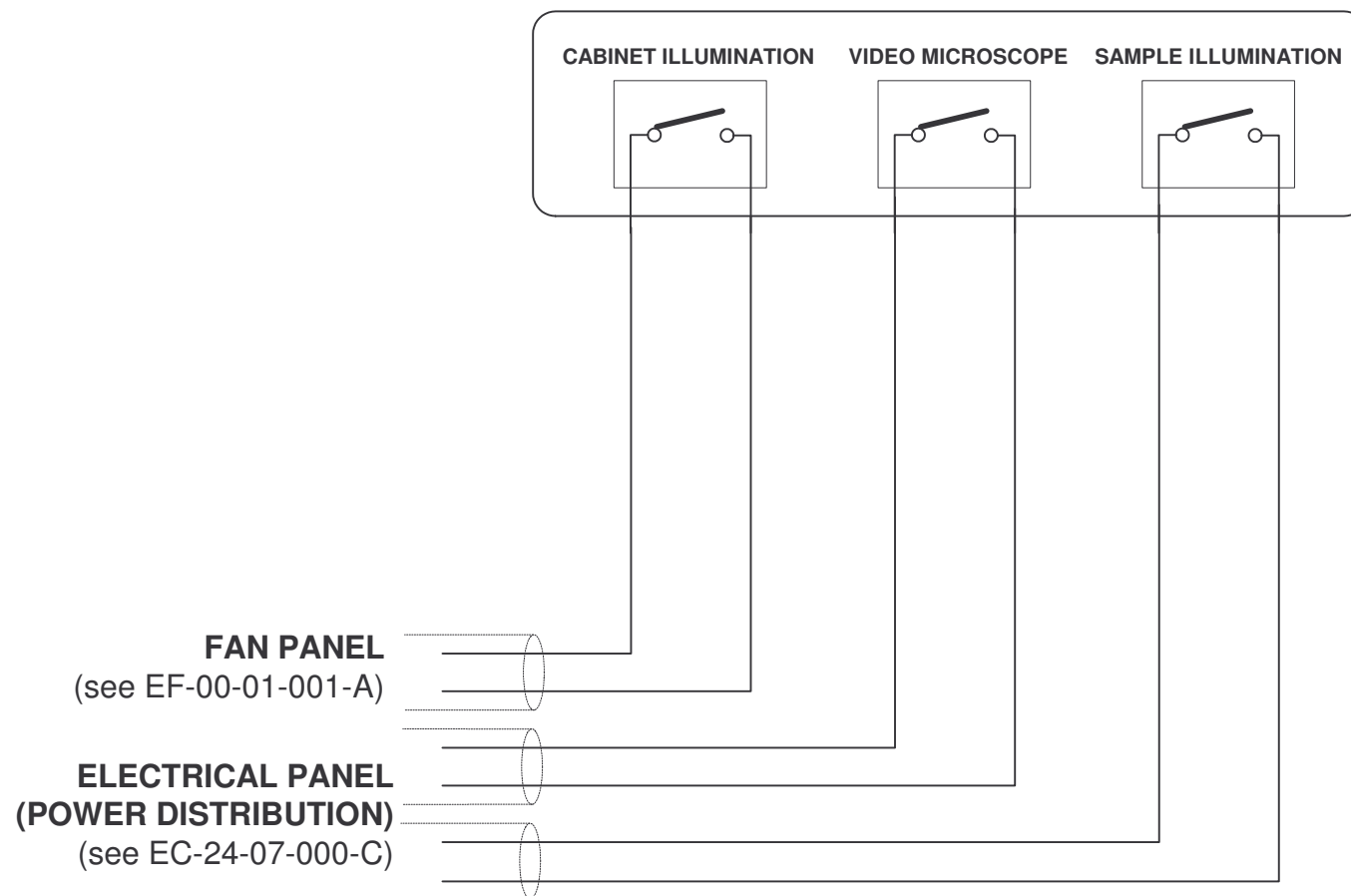



A. No.				
Appr				
Date				

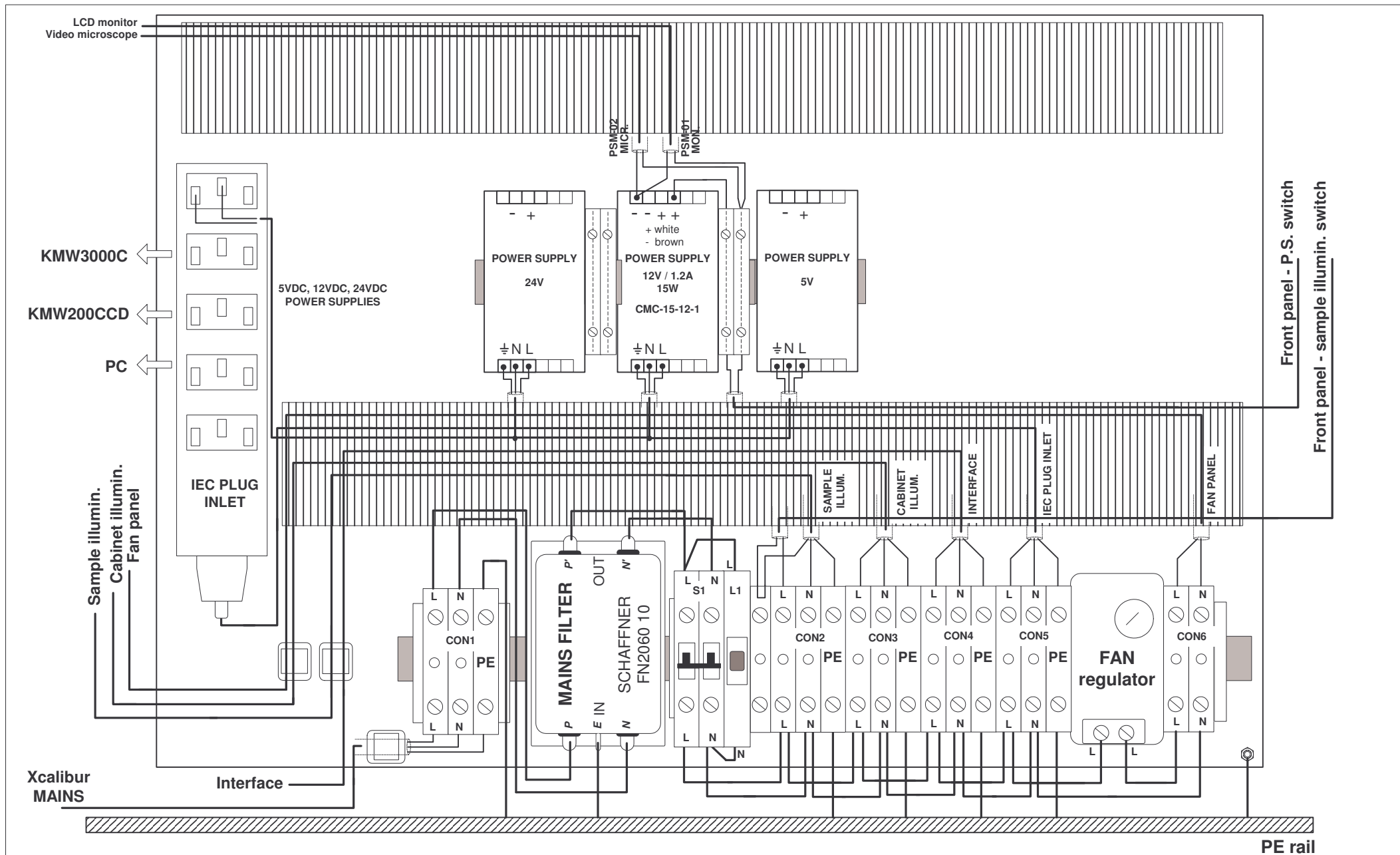
	EC-02-05-001-B		LCD monior and video microscope power supply cable	
	DRAWN BY: R. S.	APPROVED BY:	FILE: \\KUMA\workgroups\electronics\gonio68332\cables	REV.
DATE: 06/2003		SHEET 2 of 2		




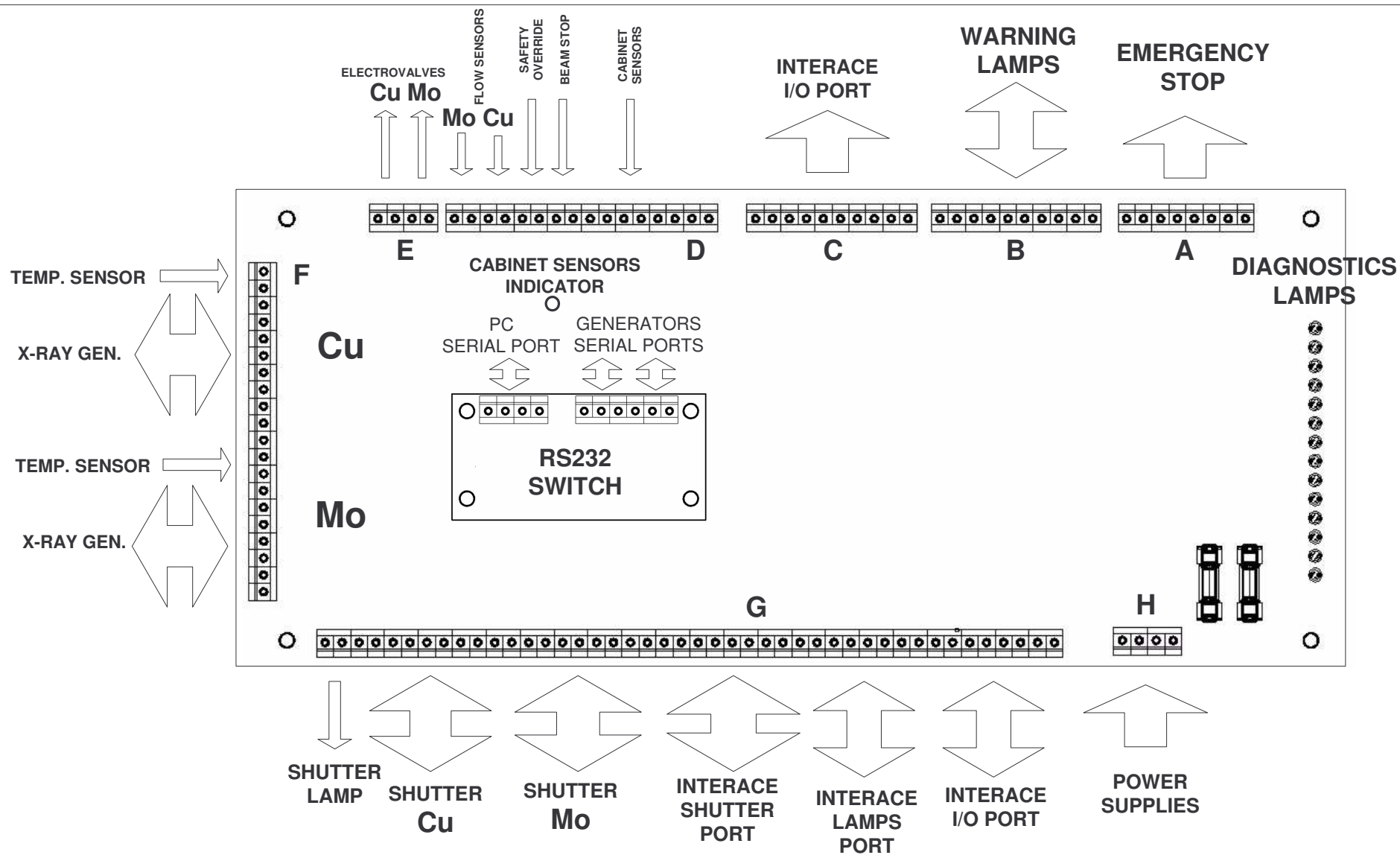
A. No.	B	C			 oxford diffraction DRG NO. EC-24-11-001-B DRAWN BY: R. S. APPROVED BY:	TITLE: Gemini Protection cabinet sensors	
Appr						FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C
Date	09/2003	04/2005				DATE: 09.2003	SHEET 1 of 1



<i>A. No.</i>	B				 oxford diffraction <i>DRG NO.</i> EC-24-07-010-A <i>DRAWN BY:</i> R. S. <i>APPROVED BY:</i>	<i>TITLE:</i> Gemini Front panel		
<i>Appr</i>						<i>FILE:</i> \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	<i>REV.</i> B	
<i>Date</i>	04/2005					<i>DATE:</i> 07.2003	<i>SHEET</i> 1 of 1	



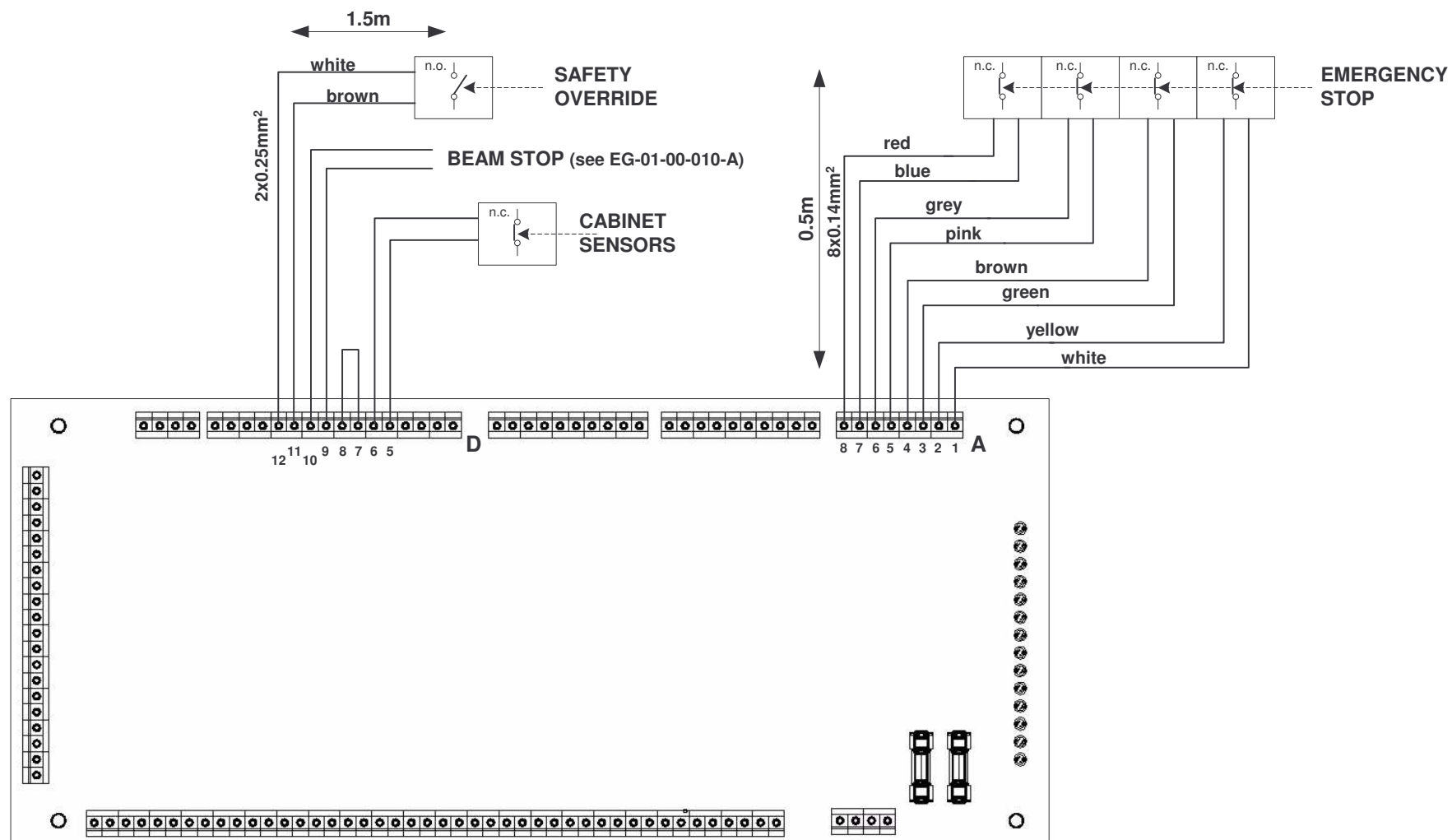
A. No.	B	D	E	 oxford diffraction	TITLE: GEMINI	
Appr				DRG NO. EC-24-07-000-A	Electrical panel	
Date	06/2003	09/2003	04/2005	DRAWN BY: R. S.	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. E
				APPROVED BY:	DATE: 04.2003	SHEET 1 of 1




oxford diffraction	TITLE: GEMINI		
	PCB connections		
	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\		REV. A
	DATE: 11.2004		SHEET 1 of 1

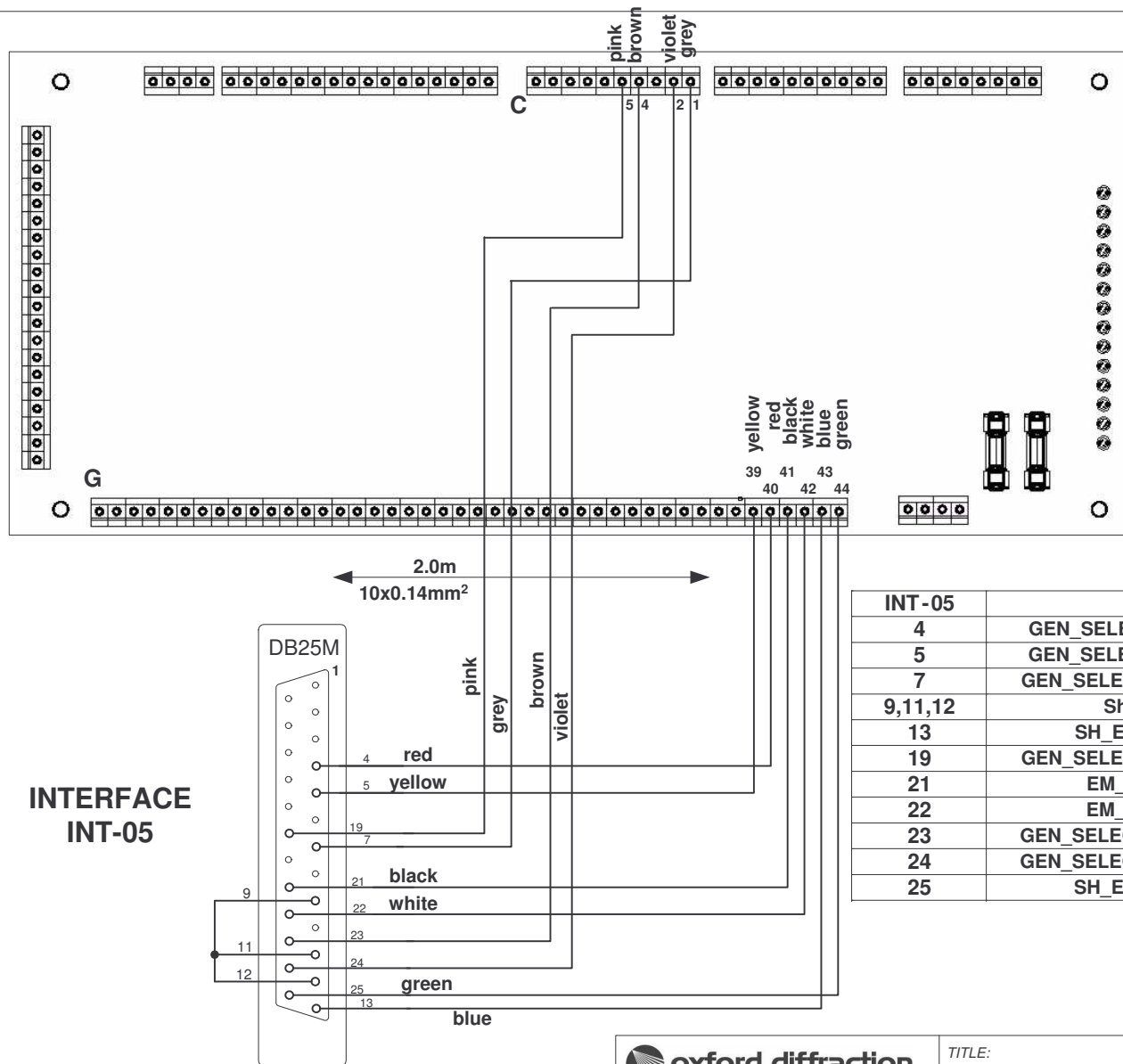
A. No.				
Appr				
Date				

DRG NO.	EG-01-00-001-A
DRAWN BY:	R. S.
APPROVED BY:	



 oxford diffraction DRG NO. EG-01-00-002-A	GEMINI PCB connections	
	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. C
DRAWN BY: R. S.	DATE: 11.2004	SHEET 1 of 1

A. No.				
Appr				
Date				



INT-05		PCB
4	GEN_SELECT - A (GPO1)	G-40
5	GEN_SELECT - B (GPO1)	G-39
7	GEN_SELECT_ACK1 - GND	C-1
9,11,12	Shortcut	
13	SH_ENABLE -A	G-43
19	GEN_SELECT_ACK2 - GND	C-5
21	EM_STOP -A	G-41
22	EM_STOP -B	G-42
23	GEN_SELECT_ACK2 - GPI2	C-4
24	GEN_SELECT_ACK1 - GPI1	C-2
25	SH_ENABLE -B	G-44

**INTERFACE
INT-05**



DRG NO.

EG-01-00-003-A

DRAWN BY: R. S.

APPROVED BY:

TITLE:

**GEMINI
PCB connections**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical
documentation\

REV.

A

DATE: 11.2004

SHEET **1 of 1**

A. No.

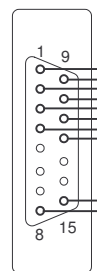
Appr

Date

1-white
9 - green
2 - grey
10 - pink
3 - brown
11 - yellow
4 - blue
12 - red

8 - violet
15 - black

WARNING
LAMPS

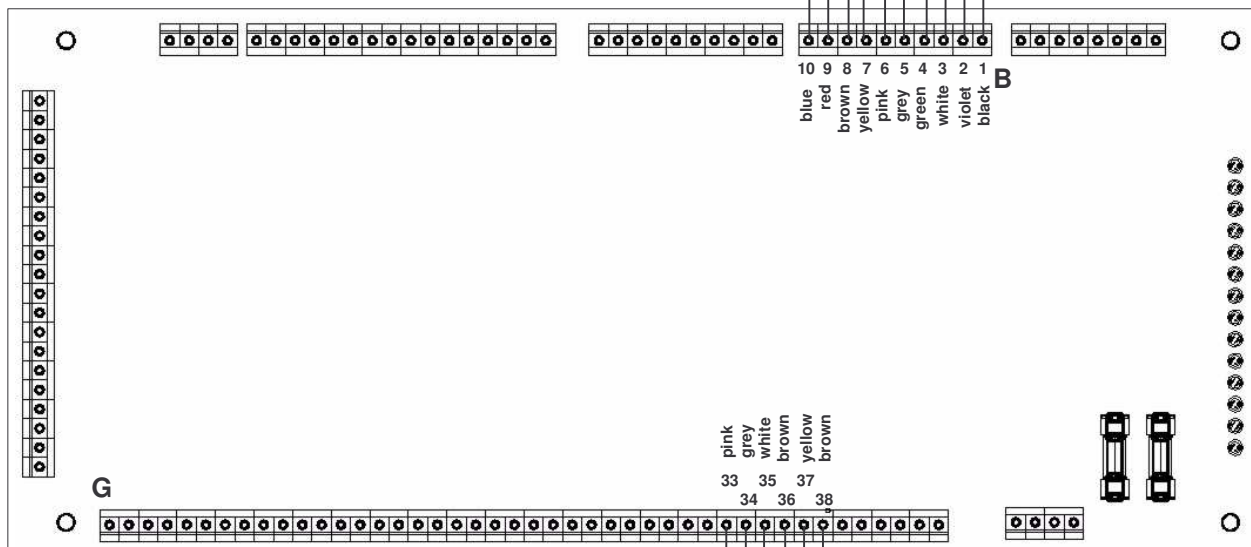


DB15 M

10x0.14mm²

4.20m

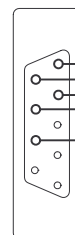
PCB		WARNING LAMPS (DB15)
B-1	SAFETY -A	15
B-2	SAFETY -B	8
B-3	SH.CLOSED LAMP -	1
B-4	SH.CLOSED LAMP+	9
B-5	SH.OPEN LAMP -	2
B-6	SH.OPEN LAMP+	10
B-7	Cu LAMP +	11
B-8	Cu LAMP-	3
B-9	Mo LAMP+	12
B-10	Mo LAMP -	4



	INT-21		PCB
pink	1	SAFETY -A	G-33
grey	2	SAFETY -B	G-34
brown	6	+VCC	G-36, G-38
yellow	7	- REDLAMP	G-37
white	8	- GRNLAMP	G-35

INTERFACE
INT-21

DB9F



2.10m

6x0.14mm²



DRG NO.

EG-01-00-004-A

DRAWN BY: R. S.

APPROVED BY:

TITLE:

GEMINI
PCB connections

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\

REV.

A

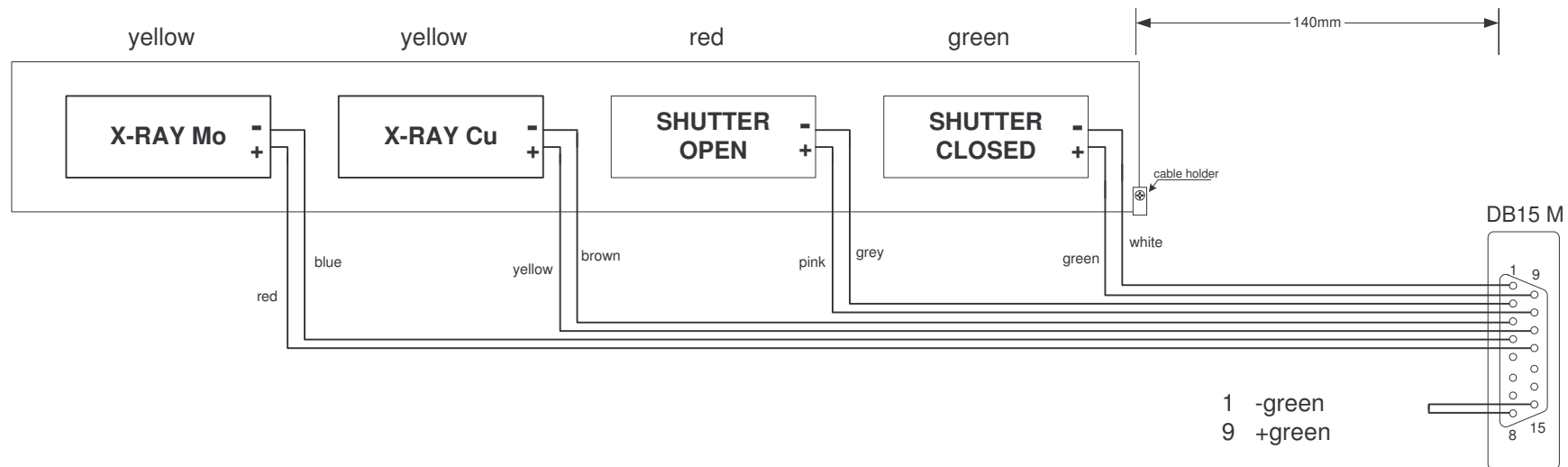
DATE: 11.2004

SHEET 1 of 1

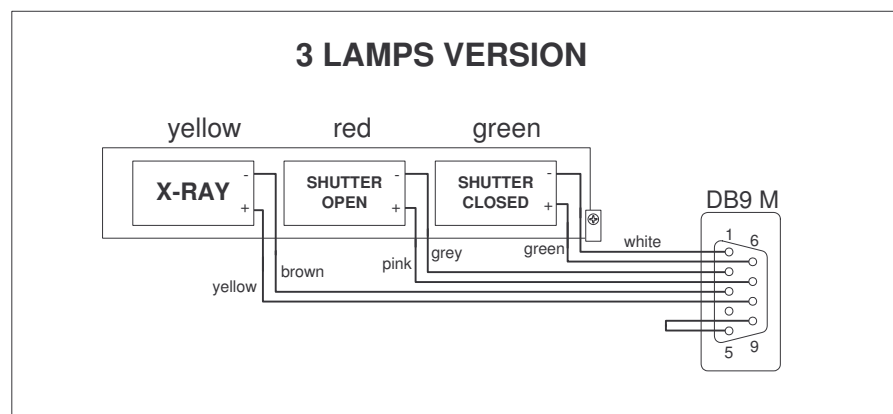
A. No.

Appr

Date



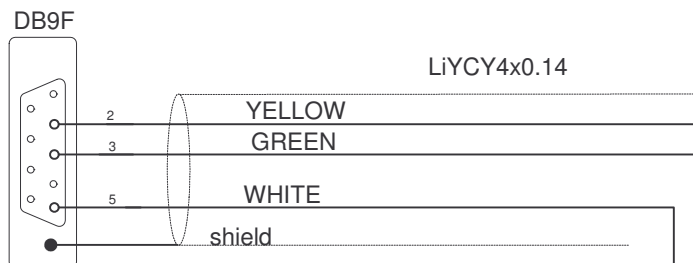
- 1 -green
- 9 +green
- 2 -red
- 10 +red
- 3 -yellow Cu
- 11 +yellow Cu
- 4 -yellow Mo
- 12 +yellow Mo



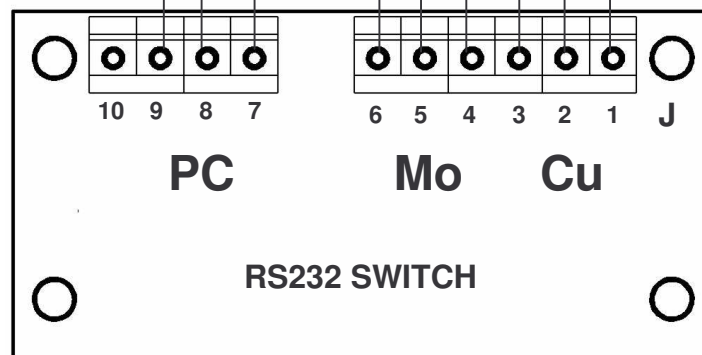
A. No.				
Appr				
Date				

oxford diffraction DRG NO. EG-01-00-005-A DRAWN BY: R. S. APPROVED BY:	TITLE: GEMINI Warning lamps		
	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. B	DATE: 11.2004
		SHEET 1 of 1	

**PC
RS232 PORT**



	SERIAL PORT		PCB
PC	2		J-8
	3		J-7
	5	GND	J-9
X-RAY GENERATOR Cu	2		J-1
	3		J-2
	5	GND	J-3
X-RAY GENERATOR Mo	2		J-4
	3		J-5
	5	GND	J-6



LiYCY4x0.14

YELLOW
GREEN

WHITE

shield

DB9M

**Mo
X-RAY
GENERATOR 2
RS232 PORT**

LiYCY4x0.14

YELLOW
GREEN

WHITE

shield

DB9M

**Cu
X-RAY
GENERATOR 1
RS232 PORT**



DRG NO.

EG-01-00-006-A

DRAWN BY: R. S.

APPROVED BY:

TITLE:

**GEMINI
PCB connections**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical
documentation\

REV.

B

DATE: 11.2004

SHEET **1 of 1**

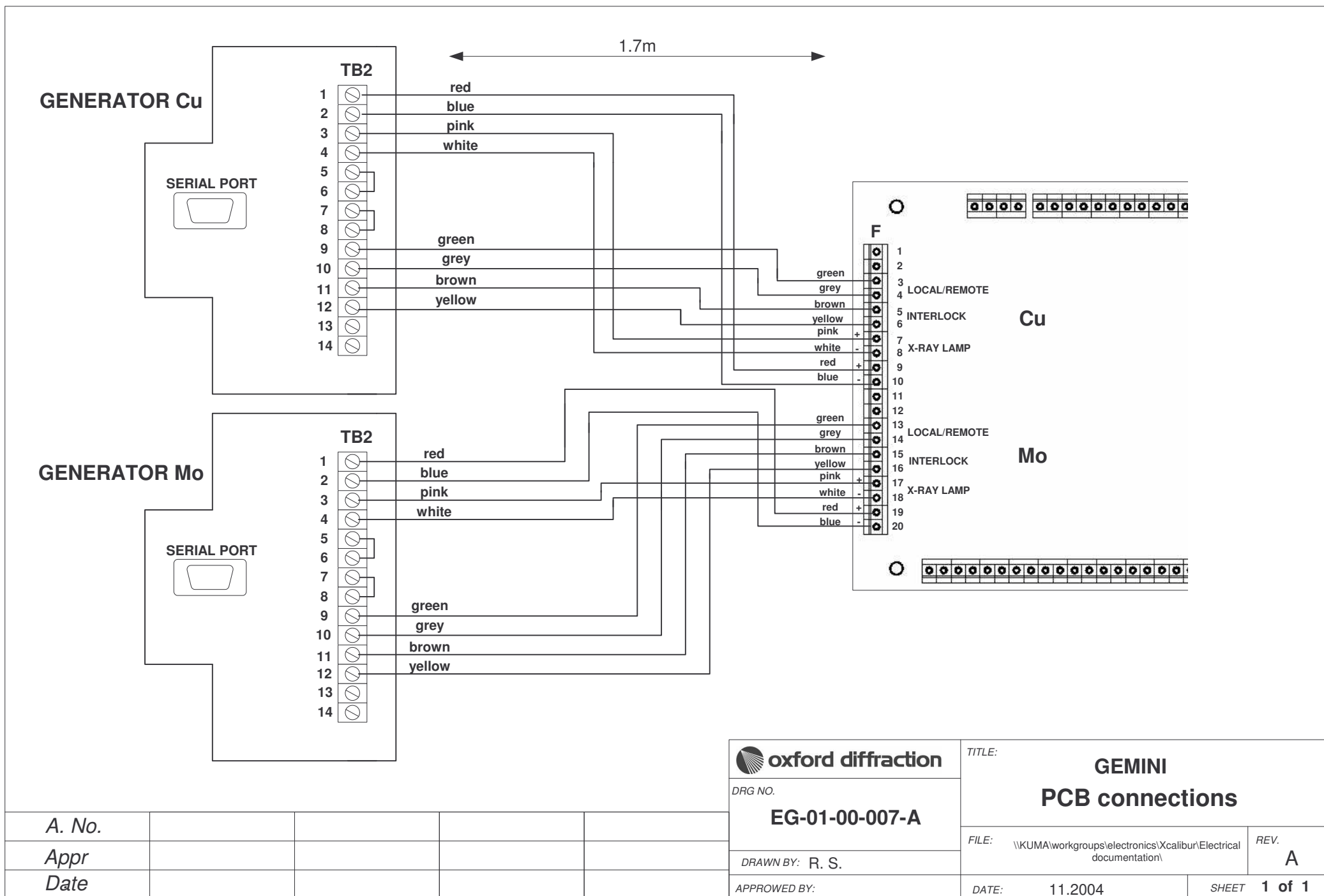
A. No.

B

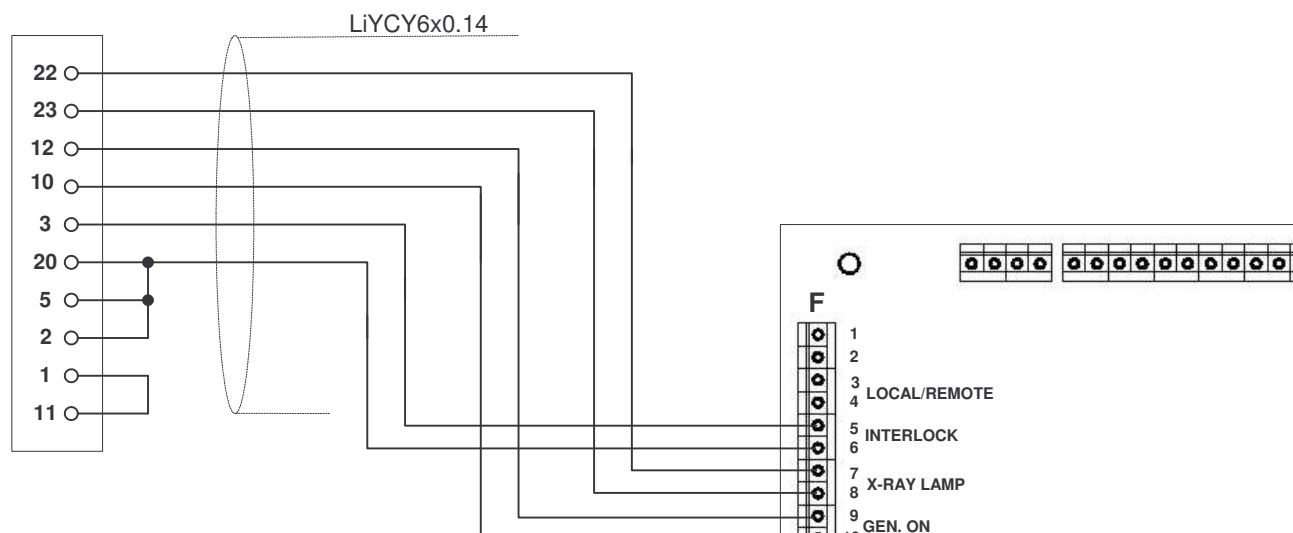
Appr

Date

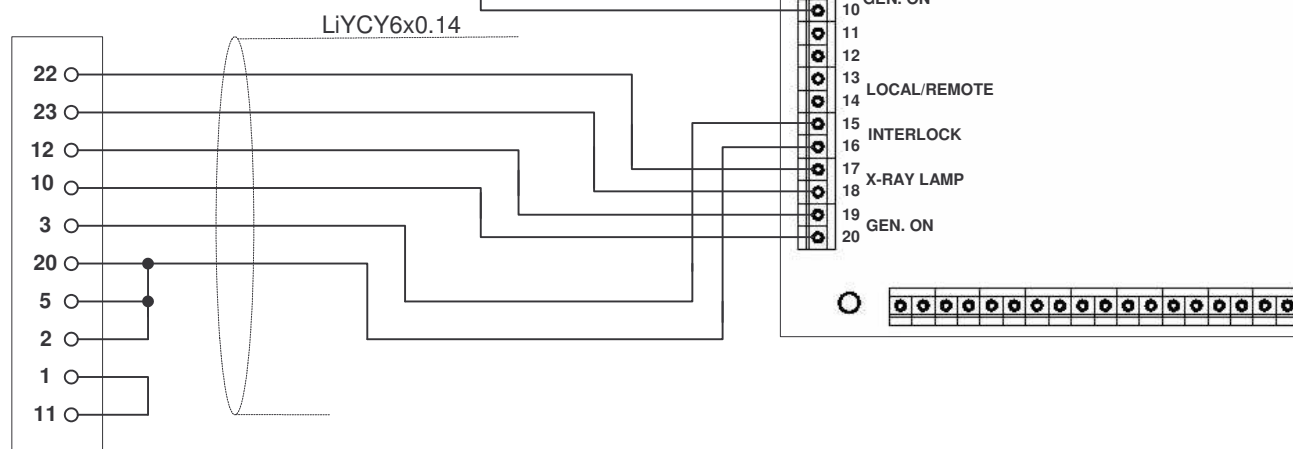
06/2005




JB1
X-RAY GENERATOR Cu

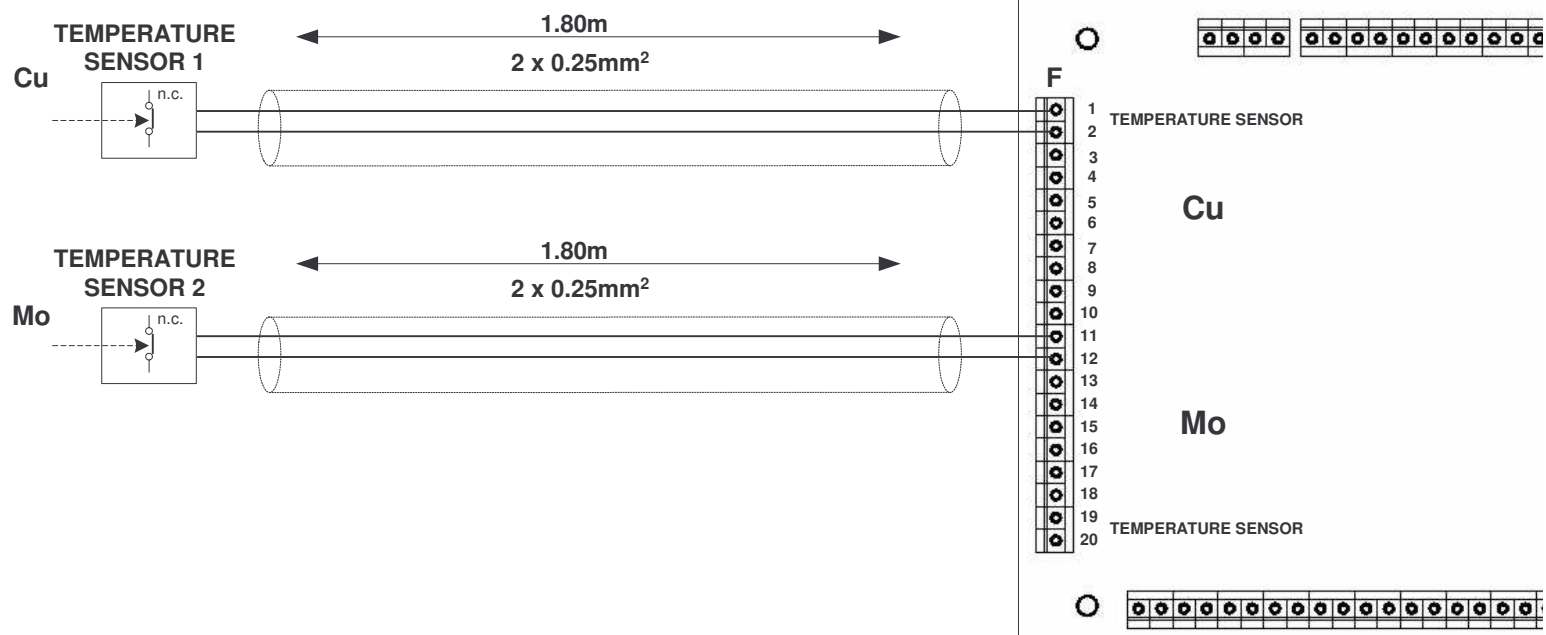



JB1
X-RAY GENERATOR Mo

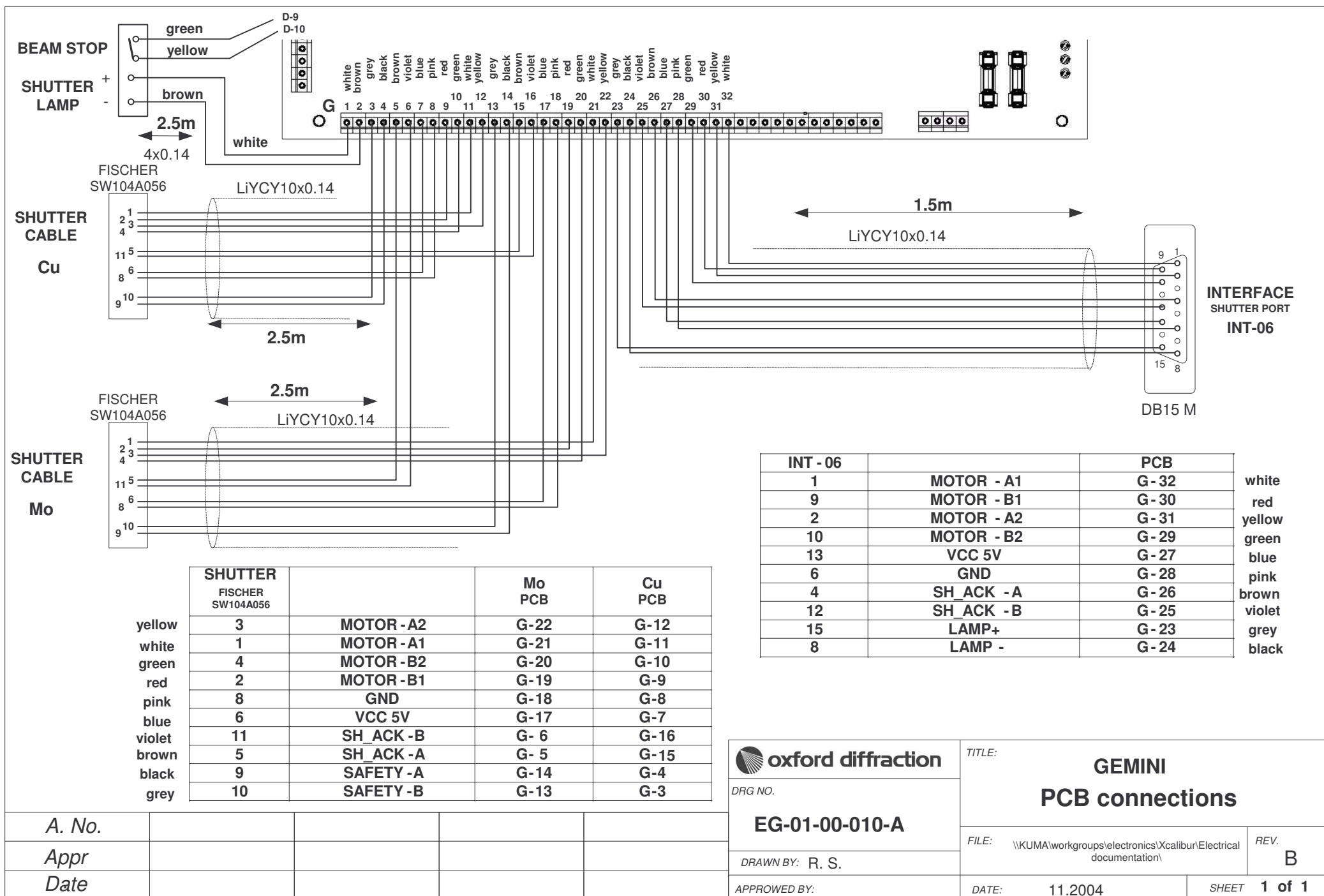


 oxford diffraction DRG NO. EG-01-00-008-A DRAWN BY: R. S. APPROVED BY:	TITLE: GEMINI		
	PCB connections		
	FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. B	
	DATE: 11.2004	SHEET 1 of 1	


A. No.				
Appr				
Date				

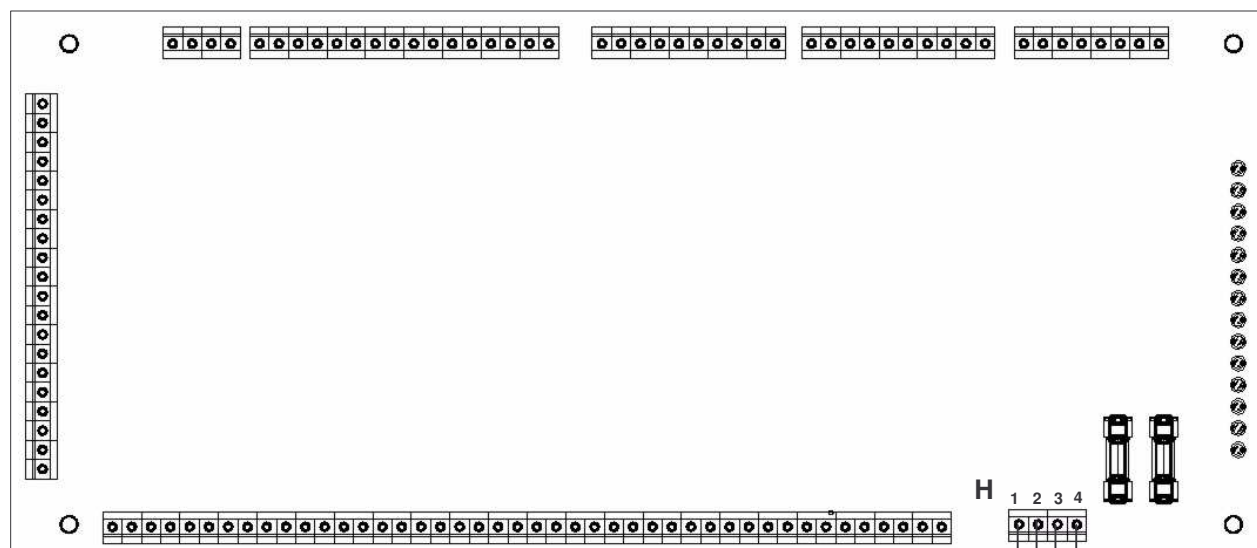


					 oxford diffraction DRG NO. EG-01-00-009-A	TITLE: GEMINI PCB connections	
A. No.						FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. A
Appr					DRAWN BY: R. S.		
Date					APPROVED BY:	DATE: 11.2004	SHEET 1 of 1



A. No.				
Appr				
Date				

 oxford diffraction DRG NO. EG-01-00-010-A DRAWN BY: R. S. APPROVED BY:	TITLE: GEMINI PCB connections		
	FILE:	\\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. B
	DATE:	11.2004	SHEET 1 of 1



POWER SUPPLY
24V DC

+24V

GND

POWER SUPPLY
5V DC

+5V

GND

POWER SUPPLIES	PCB
+24V	H - 1
GND	H - 2
+5V	H - 3
GND	H - 4



DRG NO.

EG-01-00-011-A

DRAWN BY: R. S.

APPROVED BY:

TITLE:

**GEMINI
PCB connections**

FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical
documentation\

REV.

A

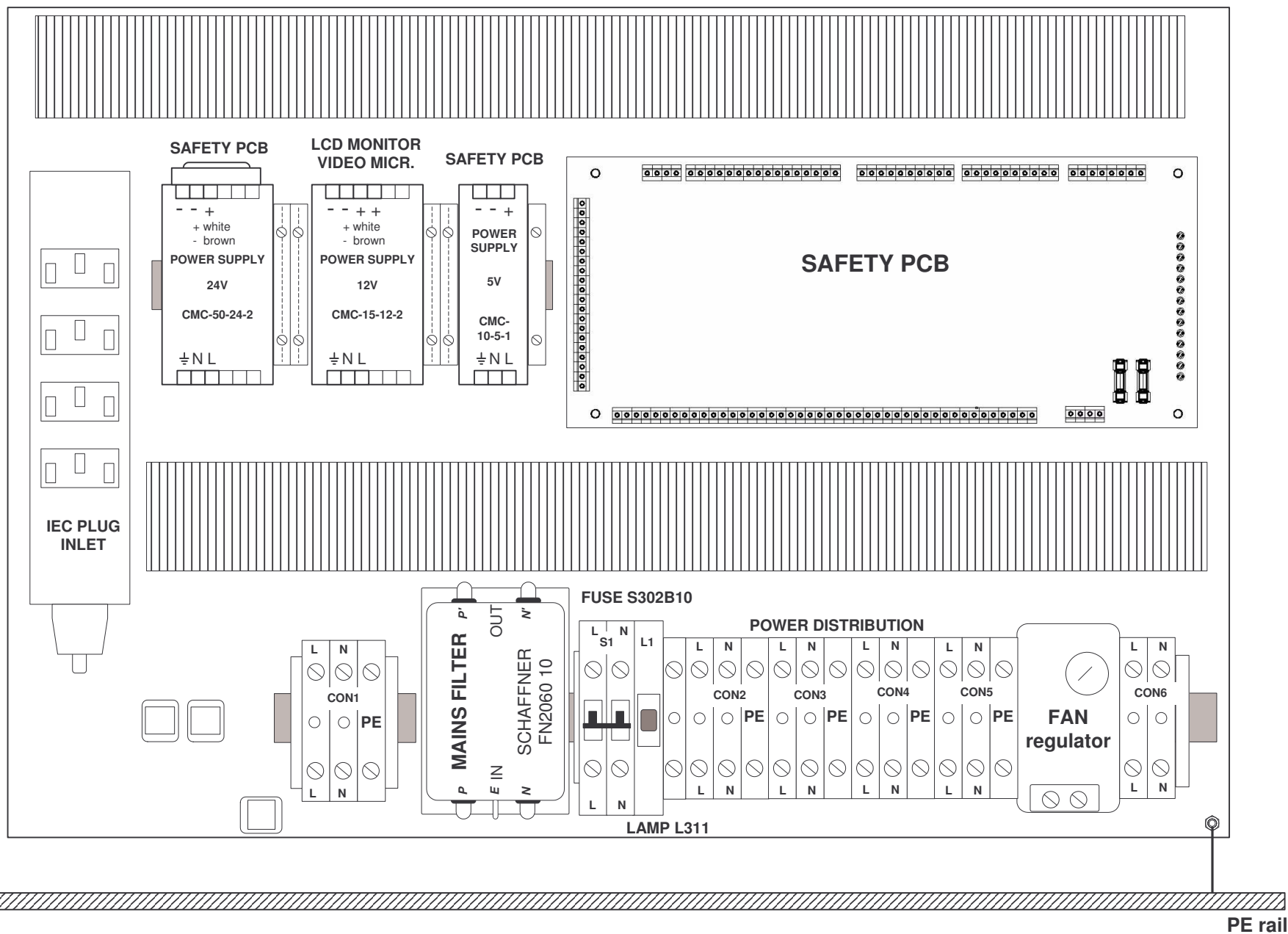
DATE: 11.2004


SHEET **1 of 1**

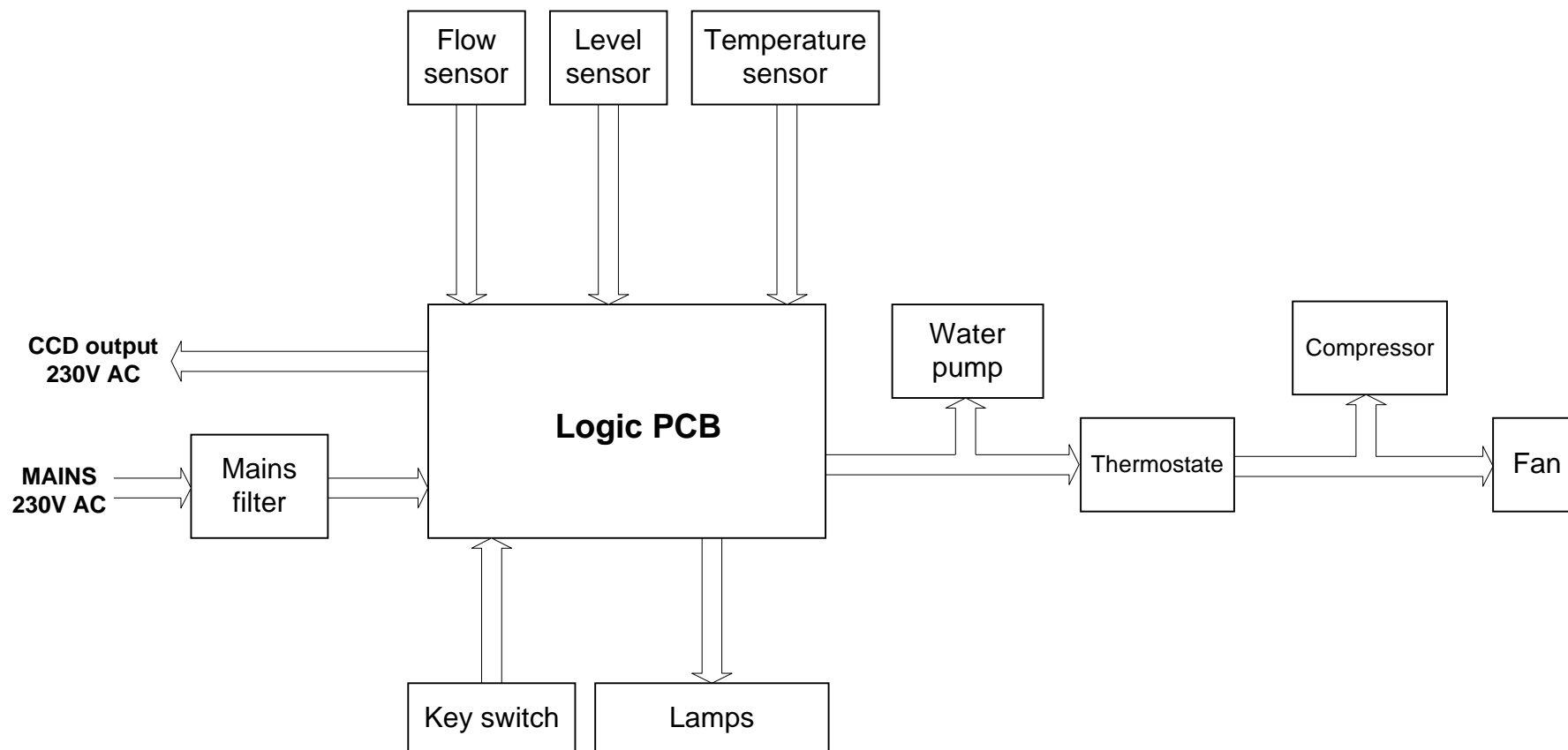
A. No.


Appr

Date

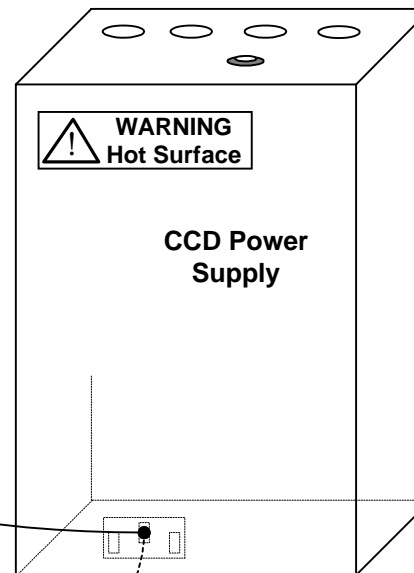
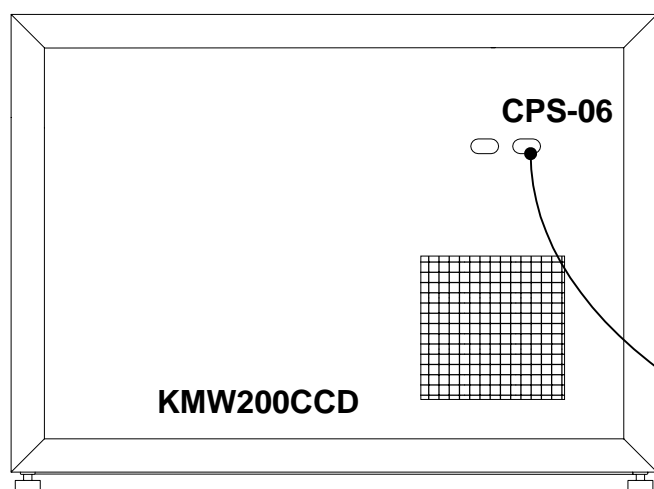


A. No.					 oxford diffraction DRG NO. EG-01-00-013-A DRAWN BY: R. S. APPROVED BY:	TITLE: GEMINI Electrical panel		
Appr						FILE: \\KUMA\workgroups\electronics\Xcalibur\Electrical documentation\	REV. A	
Date						DATE: 11.2004	SHEET 1 of 1	

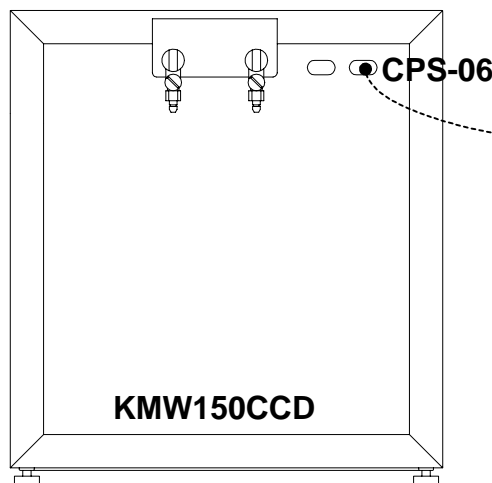


 oxford diffraction DRG NO. EW-02-00-001-A DRAWN BY: R. S. APPROVED BY:	TITLE: KMW150CCD / KMW200CCD Electrical block scheme		
	FILE: \\KUMA\workgroups\electronics\KMW150CCD\		REV. A
	DATE: 10.2002		SHEET 1 of 1


A. No.				
Appr				
Date				



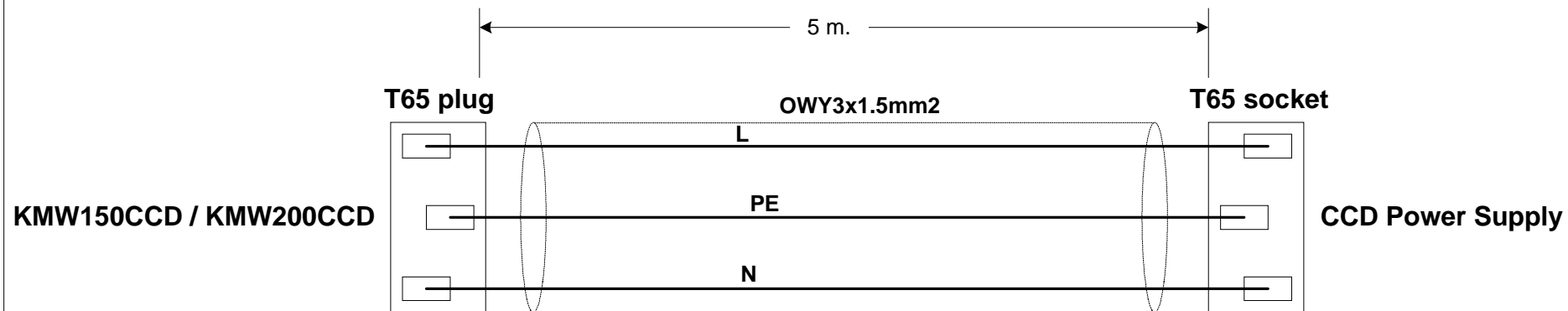
EC-01-02-001-A




KPNS code: EC-01-02-001-A		Length: 5.0m	Drq no.: EC-01-02-001-A
Description: CCD supply			
Cable: 3 x 1.5mm², white		Connector 1: CPS-06	Connector 2: CPS-05
		PNS code: EA-06-00-014-A	PNS code: EA-06-00-015-A
PNS code: EA-05-00-016-A		Type: T65 male	Type: T65 female
Type: OWY3x1.5mm²		Location: KMW150CCD	Location: CCD p. s.

 DRG NO. EC-01-02-001-A	TITLE: CCD Power Supply 230VAC Supply cable		
	FILE: \\KUMA\workgroups\electronics\gonio68332\cables		REV. A
	DATE: 03/01/2002		SHEET 1 of 2
	APPROVED BY:		

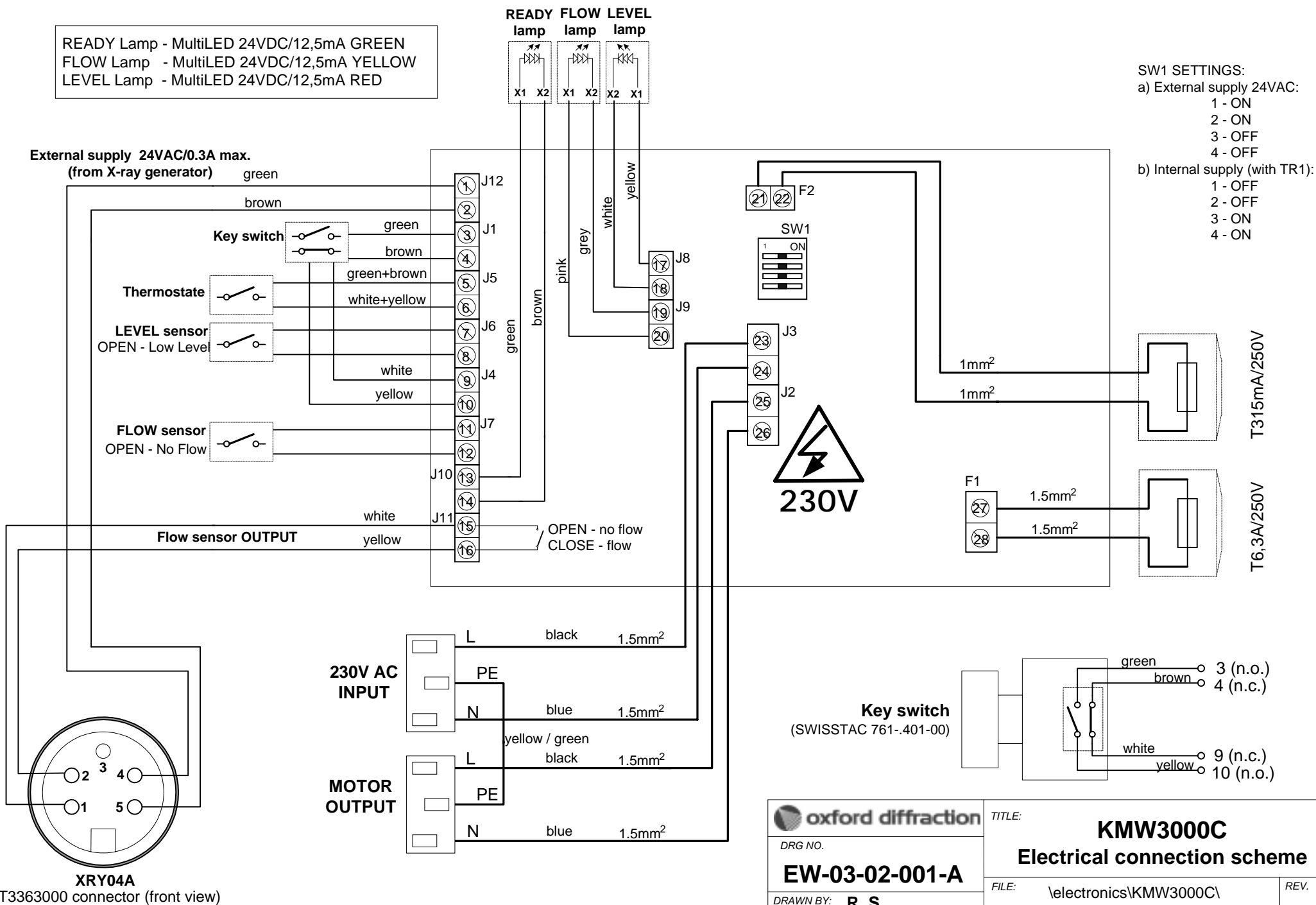
A. No.				
Appr				
Date				



							TITLE: CCD Power Supply	
					DRG NO. EC-01-02-001-A		230VAC Supply cable	
A. No.					DRAWN BY: R. S.		FILE: \\KUMA\workgroups\electronics\gonio68332\cables	REV. A
Appr					APPROVED BY:		DATE: 03/01/2001	SHEET 2 of 2
Date								

READY Lamp - MultiLED 24VDC/12,5mA GREEN
FLOW Lamp - MultiLED 24VDC/12,5mA YELLOW
LEVEL Lamp - MultiLED 24VDC/12,5mA RED

External supply 24VAC/0.3A max.
(from X-ray generator)



SW1 SETTINGS:

a) External supply 24VAC:

- 1 - ON
- 2 - ON
- 3 - OFF
- 4 - OFF

b) Internal supply (with TR1):

- 1 - OFF
- 2 - OFF
- 3 - ON
- 4 - ON

 oxford diffraction

DRG NO.

EW-03-02-001-A

DRAWN BY: R. S.

APPROVED BY:

TITLE:

KMW3000C

Electrical connection scheme

FILE:	\\electronics\KMW3000C\
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REV.	A
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DATE: 7/02/2002

SHEET **1 of 1**